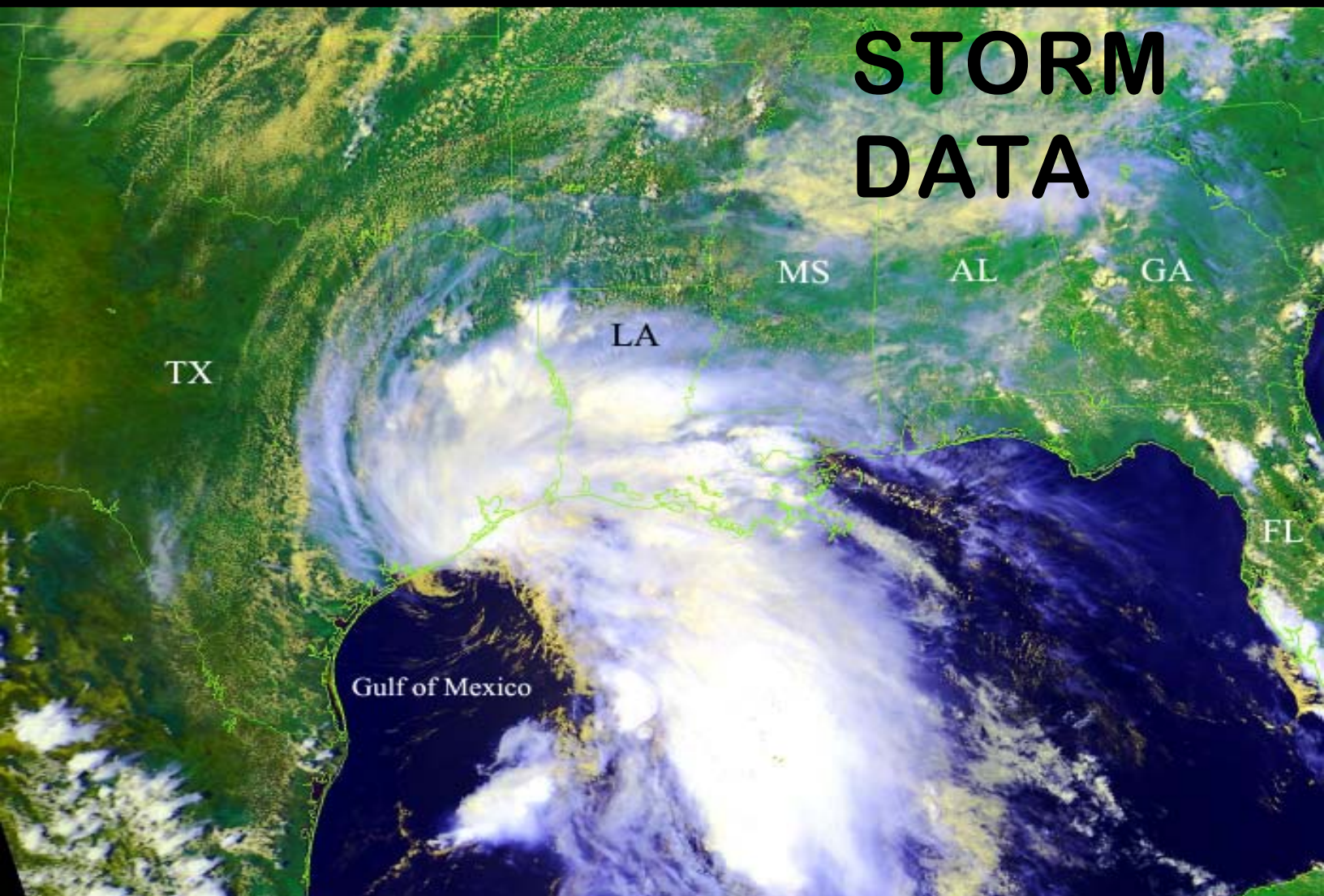


**JUNE 2001
VOLUME 43
NUMBER 06**

STORM DATA



**AND UNUSUAL WEATHER PHENOMENA
WITH LATE REPORTS AND CORRECTIONS**



noaa NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE,
DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, NC

Cover:. Tropical Storm Allison near the Texas coastline at 1925 UTC on June 5, 2001. The remnants of Allison brought heavy rainfall and floods to Texas and Louisiana and later rain along the Atlantic Seaboard. For additional information, refer to the "Outstanding Storms of the Month" section on page 4. (*Satellite courtesy: NOAA/NCDC.*)

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STORM DATA

(ISSN 0039-1972)

National Climatic Data Center

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STORM DATA is prepared, and distributed by the National Climatic Data Center (NCDC), National Environmental Satellite, Data and Information Service (NESDIS), National Oceanic and Atmospheric Administration (NOAA).

The Storm Data and Unusual Weather Phenomena narratives and Hurricane/Tropical Storm summaries are prepared by the National Weather Service. Monthly and annual statistics and summaries of tornado and lightning events resulting in deaths, injuries, and damage are compiled by the National Climatic Data Center and the National Weather Service's (NWS) Storm Prediction Center.

STORM DATA contains all confirmed information on storms available to our staff at the time of publication. Late reports and corrections will be printed in each edition.

Except for limited editing to correct grammatical errors, the data in **Storm Data** are published as received.

Note: "None Reported" means that no severe weather occurred and "Not Received" means that no reports were received for this region at the time of printing.

Subscription, pricing, and ordering information is available from:


NCDC Subscription Services
310 State Route 956
Building 300
Rocket Center, WV 26726
(866) 742-3322 Toll Free

The editors of **STORM DATA** solicit your help in acquiring photographs (prints or slides; black and white, or color), maps, clippings, etc. of significant or severe weather events (past or present) for use in the "Outstanding Storms of the Month" section of **STORM DATA**. We request our subscribers or other interested persons to mail such items to:

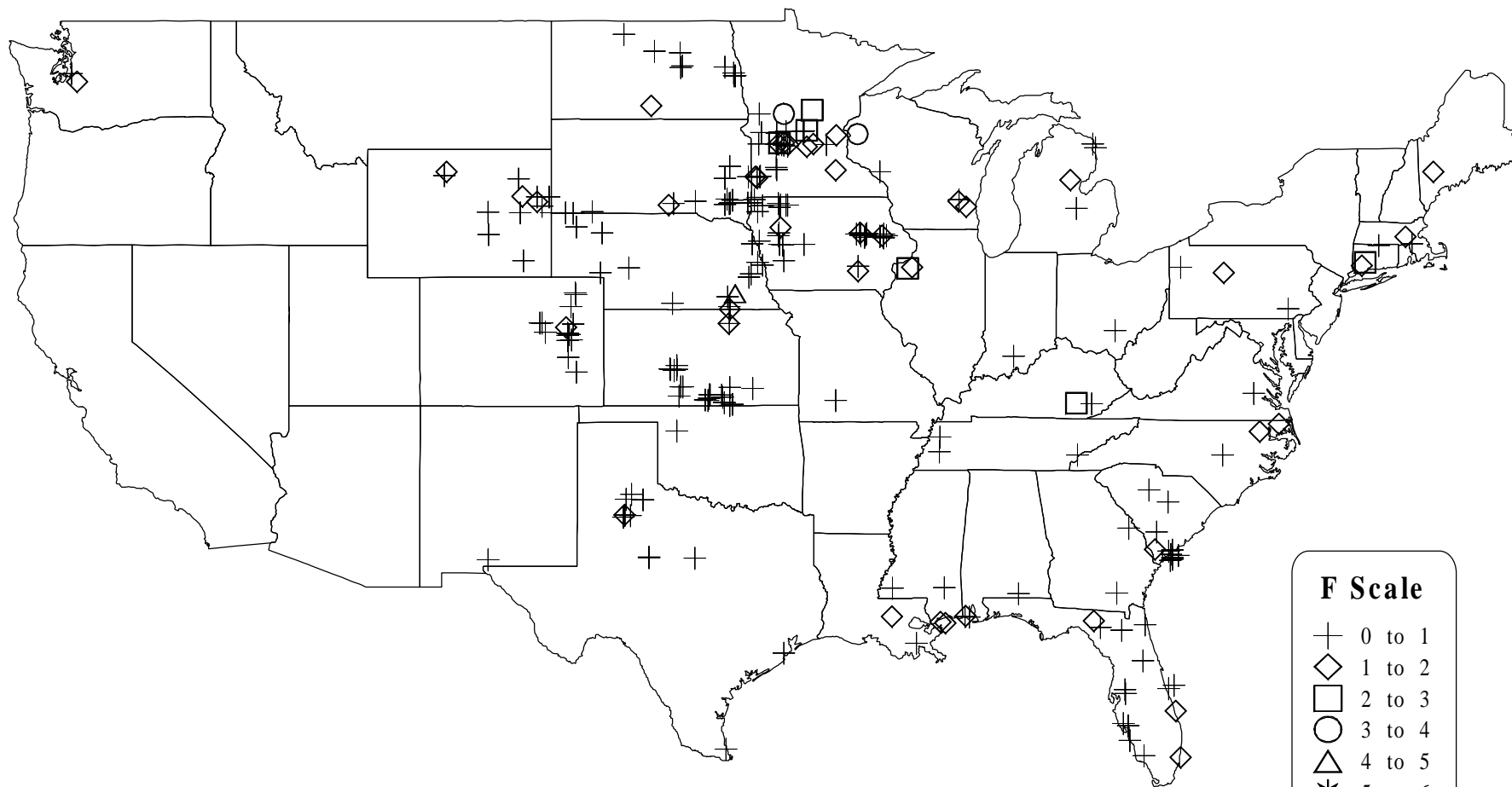
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Asheville, NC 28801

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This is an official publication of the National Oceanic and Atmospheric Administration and is compiled from information received at the National Climatic Data Center Asheville, North Carolina 28801-2733.


Thomas R. Karl
Director,
National Climatic Data Center

June 2001 Confirmed Tornadoes



F Scale

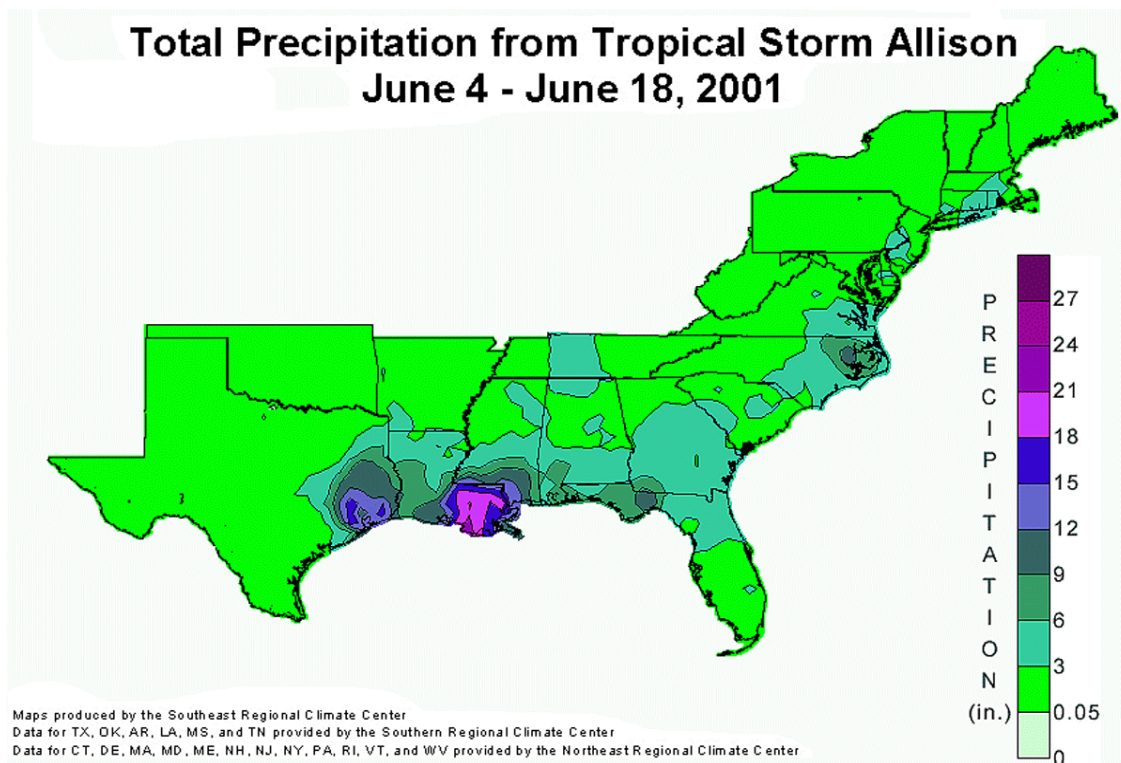
- + 0 to 1
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- 2 to 3
- 3 to 4
- △ 4 to 5
- * 5 to 6

F Scale	F0	F1	F2	F3	F4	F5	Total
Number	197	41	6	2	1	0	247

OUTSTANDING STORMS OF THE MONTH

1. Remnants of Tropical Storm Allison Cause Heavy Rains and Floods

Tropical Storm Allison formed 80 miles off the Galveston, Texas coast during the early afternoon hours of June 5th. Allison then made landfall on the east end of Galveston Island during the late and early hours of June 5th and 6th with minor problems. The tropical storm then weakened to a tropical depression during the morning hours on June 6th. The tropical depression caused heavy rains and floods in southeastern Texas and southern Louisiana. Eventually, the remnants moved offshore on June 9th and then moved into Louisiana on June 11th. The low-pressure center then moved along the Gulf Coast of Mississippi and Alabama and into Georgia. Along the way, very heavy rains fell and flooding occurred. Then the low moved to the coastal area of North Carolina and then north-northeast along the East Coast. Again, heavy rains and flooding accompanied the remnants. On the early morning of June 18th, the remnants of Tropical Storm Allison exited eastern Maine as the storm system accelerated east-northeast toward Nova Scotia. Damage estimates of approximately \$5 billion dollars make Tropical Storm Allison the costliest Tropical Storm in United States history.



Above: Rainfall totals from Texas were over 35” inches and over 25” inches in Louisiana. Lesser amounts were recorded from Mississippi to North Carolina. Generally, two-to-three inch rainfall amounts were common in the Northeast.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
ALABAMA, North Central								
Tallapoosa County								
Dadeville	01	0930CST			0	0	2K	0 Thunderstorm Wind (G50)
Several trees were blown down between Dadeville and Alexander City.								
Jefferson County								
Lipscomb	03	1232CST			0	0	0	0 Hail (0.75)
Dime size hail fell along Interstate 459 and CR 52 near Bessemer.								
Lee County								
Smiths	03	1238CST			0	0	0	0 Hail (0.75)
Dime size hail was observed near Smiths.								
St. Clair County								
6 SE Springville	03	1240CST			0	0	2K	0 Thunderstorm Wind (G50)
A few trees were blown down between Springville and Odenville.								
Blount County								
Hayden to Remlap	03	1255CST 1300CST			0	0	0	0 Hail (0.75)
Several reports were received of up to dime size hail from Hayden to Remlap.								
Dekalb County								
Ft Payne	03	1257CST			0	0	0	0 Hail (1.00)
Quarter size hail was reported on the north side of Fort Payne.								
Fayette County								
Fayette	03	1300CST			0	0	0	0 Hail (0.75)
Dime size hail was observed just south of Fayette.								
Calhoun County								
Duke	03	1325CST 1340CST			0	0	3K	0 Hail (1.75)
Nickel to golf ball size hail was reported on SR 204 in and near Duke. A funnel cloud was also reported with this storm.								
Cullman County								
West Pt	03	1340CST			0	0	0	0 Hail (0.88)
Nickel size hail was observed in northern Cullman County near West Point and near Battleground.								
Chambers County								
5 W Lafayette to Lanett	03	1340CST 1400CST			0	0	0	0 Hail (0.75)
Dime size hail fell from just west of Lafayette to Lanett.								
Etowah County								
Gadsden to Hokes Bluff	03	1344CST 1405CST			0	0	2K	0 Hail (1.00)
Etowah County								
Gadsden to Hokes Bluff	03	1344CST 1405CST			0	9	15K	0 Thunderstorm Wind (G50)
Dime to quarter size hail was observed in and around the city of Gadsden and in Hokes Bluff. Several trees were blown down in Attalla. Three chicken houses had significant roof damage in central Etowah County.								
Jefferson County								
Warrior	03	1410CST			0	0	4K	0 Thunderstorm Wind (G50)
Trees and power lines were blown down in Warrior.								
Walker County								
Jasper	03	1411CST			0	0	0	0 Hail (0.88)
Nickel size hail fell just north of Jasper.								
Cherokee County								
Centre to Forney	03	1415CST 1500CST			0	0	2K	0 Hail (1.75)
Cherokee County								
Centre to Forney	03	1415CST 1500CST			0	0	7K	0 Thunderstorm Wind (G50)
Dime to golf ball size hail was reported from the city of Centre to Forney. Several trees and power lines were also knocked down mainly in the southern part of the county. Urban flooding in Centre caused several vehicles to become stranded.								
Montgomery County								
Montgomery	03	1420CST			0	0	2K	0 Thunderstorm Wind (G50)
A few trees and several large tree limbs were blown down in Montgomery.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
ALABAMA, North Central								
Walker County								
Quinton	03	1430CST			0	0	0	Hail (0.75)
			Dime size hail was observed along the Warrior River near Quinton.					
St. Clair County								
Whitney to Ashville	03	1535CST 1545CST			0	0	4K	Thunderstorm Wind (G50)
			Scattered trees were blown down from Whitney to Ashville.					
Tallapoosa County								
Dadeville	03	1545CST			0	0	0	Hail (1.00)
			Quarter size hail was observed near Dadeville.					
Tallapoosa County								
Daviston	03	1557CST			0	0	0	Hail (1.00)
			Quarter size hail was completely covering the ground near the Horseshoe Bend Military Park.					
Chilton County								
Countywide	03	1608CST 1620CST			0	0	8K	Thunderstorm Wind (G55)
			Several trees were blown down throughout Chilton County. On Interstate 65 at Exit 212, a Chevron gas station had one of its gas pumps blown over.					
Elmore County								
Wetumpka	03	1615CST 1620CST			0	0	2K	Hail (1.75)
Elmore County								
Wetumpka	03	1615CST 1620CST			0	0	3K	Thunderstorm Wind (G50)
			Trees were blown down just north of Wetumpka. Dime to golf ball size hail fell in and around the city.					
Montgomery County								
Montgomery	03	1655CST			0	0	0	Hail (0.75)
			Dime size hail was reported in the northern part of the city of Montgomery.					
Russell County								
Seale	03	1725CST			0	0	0	Hail (0.88)
			Nickel size hail was reported in Seale.					
Autauga County								
Marbury	04	1330CST			0	0	1K	Thunderstorm Wind (G50)
			A few trees were knocked down near Marbury.					
Autauga County								
Countywide	04	1410CST 1425CST			0	0	5K	Thunderstorm Wind (G50)
			Several trees and power lines were blown down across the county. Some of these trees temporarily blocked roadways.					
Elmore County								
Wetumpka	04	1430CST 1435CST			0	0	0	Hail (0.75)
Elmore County								
4 S Wetumpka	04	1430CST 1435CST			0	0	1K	Thunderstorm Wind (G50)
			Dime size hail was reported in southern Elmore County around Wetumpka. A few trees were also blown down in the southern part of the county near Wetumpka.					
Marion County								
Guin	04	1540CST			0	0	2K	Thunderstorm Wind (G50)
			A few trees were blown down in Guin.					
Lauderdale County								
Countywide	04	1635CST 1715CST			0	0	6K	Thunderstorm Wind (G50)
			Several trees were knocked down throughout Lauderdale County. Some of the trees fell across and temporarily blocked roads.					
Madison County								
Madison Co Jet Port	04	1650CST			0	0	75K	Thunderstorm Wind (G65)
			A business at the Huntsville International Airport had significant damage to its building. The roof was torn off and one of the walls was blown over. At the same time, the Huntsville ASOS recorded a wind gust of 46 knots or 53 mph.					
Madison County								
Hazel Green	04	1655CST			0	0	0	Hail (1.00)
			Quarter size hail was reported in Hazel Green.					

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
ALABAMA, North Central								
Limestone County								
Countywide	04	1655CST 1705CST			0	0	2K	0 Thunderstorm Wind (G50)
			Several trees were blown down across the county.					
Morgan County								
Decatur	04	1705CST			0	0	4K	0 Thunderstorm Wind (G50)
			Several trees were blown down in and around the city of Decatur.					
Madison County								
Huntsville	04	1710CST			0	0	0	0 Hail (0.75)
			Dime size hail was observed near Huntsville.					
Madison County								
Huntsville	04	1740CST 1755CST			0	0	9K	0 Thunderstorm Wind (G50)
			Numerous trees and power lines were knocked down across the city of Huntsville.					
Jackson County								
Countywide	04	1740CST 1810CST			0	0	6K	0 Thunderstorm Wind (G50)
			Several trees were blown down throughout Jackson County.					
Jackson County								
Bridgeport	04	1824CST			0	0	0	0 Hail (0.75)
			Dime size hail was reported in Bridgeport..					
Autauga County								
Booth	05	1630CST			0	0	8K	0 Thunderstorm Wind (G50)
			Trees were blown down near Booth and in the Old Kingston Community. Some of these trees fell onto homes causing minor roof damage.					
Macon County								
Shorter	14	1405CST			0	0	3K	0 Thunderstorm Wind (G50)
			Three utility poles were snapped off on CR 9 between Shorter and Milstead.					
Dallas County								
Selma	14	1445CST			0	0	2K	0 Thunderstorm Wind (G50)
			Trees were blown down along SR 219 near Selma. A few other locations also reported some trees down in northern Dallas County.					
Limestone County								
Athens	15	1330CST			0	0	2K	0 Thunderstorm Wind (G50)
			Large trees were blown down and some were blocking roadways near Athens.					
Pickens County								
Reform	21	1600CST			0	0	1K	0 Thunderstorm Wind (G50)
			A large tree and a power pole were blown down on SR 17 near Reform.					
Chilton County								
Thorsby	21	1615CST			0	0	0	0 Hail (0.75)
			Dime size hail was observed in Thorsby.					
Talladega County								
Lincoln	21	1725CST			0	0	2K	0 Hail (1.75)
			Golf ball size hail was observed in Lincoln.					
Madison County								
Hazel Green	21	1730CST			0	0	0	0 Hail (0.75)
			Dime size hail fell just north of Hazel Green.					
Madison County								
Redstone Aaf	21	1740CST			0	0	0	0 Hail (0.75)
			Dime size hail was observed at Redstone Arsenal.					
Madison County								
5 NE Huntsville	21	1745CST			0	0	2K	0 Thunderstorm Wind (G50)
			Trees were blown down 5 miles northeast of Huntsville.					
Barbour County								
Baker Hill	21	1745CST			0	0	0	0 Hail (0.75)
			Dime size hail was reported in Bakerhill.					
Cullman County								
Crane Hill	21	1800CST			0	0	0	0 Hail (0.75)
			Dime size hail was reported in Crane Hill.					

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
ALABAMA, North Central								
Cullman County								
Fairview	21	1822CST			0	0	1K	0 Thunderstorm Wind (G50)
Trees were blown down in the Gold Ridge Community near Fairview.								
Marshall County								
Grant	21	1908CST			0	0	3K	0 Thunderstorm Wind (G50)
A few power poles were knocked down near Preston Island and Grant on SR 79.								
Jackson County								
Scottsboro	21	1910CST			0	0	3K	0 Thunderstorm Wind (G50)
A few power poles were blown down in Scottsboro.								
Jefferson County								
Kimberly	26	1250CST			0	0	0	0 Hail (0.75)
Dime size hail was reported in Kimberly.								
Lawrence County								
Moulton	26	1255CST			0	0	0	0 Hail (0.75)
Dime size hail was observed in Moulton. Numerous large tree limbs were also snapped off during the storm.								
Limestone County								
4 N Athens	26	1313CST			0	0	0	0 Hail (0.75)
Dime size hail fell just north of Athens.								
Marshall County								
Arab	26	1425CST			0	0	2K	0 Hail (1.75)
Golf ball size hail was observed just north of Arab in the Ruth Community.								
Limestone County								
Lester	26	1445CST			0	0	0	0 Hail (0.88)
Dime to nickel size hail was reported in Lester. The hail covered the ground and collected up to a depth of 20 inches.								
Lauderdale County								
Florence	26	1450CST			0	0	0	0 Hail (0.88)
Dime to nickel size hail was reported just north of the city of Florence.								
St. Clair County								
Odenville	26	1450CST 1515CST			0	0	0	0 Hail (1.00)
St. Clair County								
Odenville	26	1450CST 1515CST			0	0	2K	0 Thunderstorm Wind (G50)
Nickel to quarter size hail covered the ground in Odenville. Trees were also blown down onto some power lines during this storm.								
Morgan County								
Hartselle	26	1455CST			0	0	2K	0 Thunderstorm Wind (G50)
Trees were blown down in Hartselle. Hail of unknown size also fell during this storm.								
Morgan County								
Laceys Spg	26	1505CST			0	0	0	0 Hail (1.00)
Quarter size hail was reported in Laceys Spring.								
Madison County								
10 S Huntsville	26	1515CST			0	0	0	0 Hail (0.75)
Dime size hail was observed 10 miles south of Huntsville.								
Hale County								
Akron	26	1615CST			0	0	0	0 Hail (0.75)
Dime size hail fell in the city of Akron. Numerous large tree limbs were also snapped off during this storm.								
Jackson County								
Hollytree	26	1615CST			0	0	0	0 Hail (1.00)
Dime to quarter size hail fell in the Hollytree area.								
Winston County								
Double Spgs	26	1615CST			0	0	4K	0 Lightning
Four cows were killed by a lightning strike near Double Springs.								
Sumter County								
Warsaw	26	1625CST			0	0	0	0 Hail (0.75)
Dime size hail was reported near Warsaw.								
Winston County								
6 S Double Spgs	26	1636CST			0	0	0	0 Hail (0.88)
Dime to nickel size hail was observed just south of Double Springs.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>ALABAMA, North Central</u>								
Pickens County								
Carrollton	26	1733CST			0	0	0	Hail (0.88)
Nickel size hail was reported in Carrollton.								
Jefferson County								
7 NNE Oak Grove	26	1836CST			0	0	2K	Hail (1.75)
Quarter to golf ball size hail was reported between Sylvan Springs and Birmingham. The hail fell mainly across rural western Jefferson County.								
Jefferson County								
Graysville	26	1849CST			0	0	3K	Hail (1.75)
Quarter to golf ball size hail was observed in Graysville. Fifty-three (53) mph wind gusts were measured at an amateur weather station.								
Jefferson County								
Lipscomb	26	1858CST			0	0	0	Hail (0.75)
Dime size hail fell near Lipscomb.								
Jefferson County								
Mountain Brook	26	1907CST			0	0	0	Hail (0.88)
Nickel size hail was reported near Brookwood Mall.								
Jefferson County								
Mountain Brook	26	1930CST			0	0	0	Hail (0.75)
Dime size hail was observed near Fire Station #2 on Overton Road.								
Madison County								
Owens Xrds	26	2142CST			0	0	0	Hail (0.75)
Dime size hail fell in the Owens Crossroads area.								
Montgomery County								
Montgomery	28	1310CST			0	0	0	Hail (0.88)
Nickel size hail was reported in the eastern part of Montgomery.								
Russell County								
Hurtsboro	28	1407CST			0	0	2K	Thunderstorm Wind (G50)
A few trees were blown down on the western side of Hurtsboro.								
<u>ALABAMA, Southeast</u>								
Coffee County								
Enterprise	19	1730EST			0	0	5K	Thunderstorm Wind
Numerous trees and power lines down. Reported by the Coffee County EMA.								
Dale County								
Ozark	21	1830EST			0	0	0.50K	Thunderstorm Wind
A few trees down on Highway 51 just east of Ozark. Reported by the Dale County EMA.								
<u>ALABAMA, Southwest</u>								
Covington County								
Andalusia	05	1700CST 1705CST			0	0	10K	Thunderstorm Wind (G60)
High thunderstorm winds blew down trees and power lines in the community.								
Choctaw County								
Butler	08	2030CST 2200CST			0	0	4K	Flash Flood
Street flooding was reported at several locations north of Butler due to very heavy rainfall. Several secondary roads in the northern part of the county were temporarily closed due to excessive standing and ponding of water.								
Mobile County								
Grand Bay	11	0620CST 0627CST			0	0	8K	Thunderstorm Wind (G55)
High winds from a thunderstorm blew trees and power lines down near Grand Bay.								
Mobile County								
Semmes	11	0635CST 0637CST			0	0	100K	Thunderstorm Wind (G65)
High winds from a mesocyclone moving north across the area blew down several trees. Some of the trees landed on roofs of homes and automobiles. The high winds also caused some roof and outbuilding damage. Most of the damage was just north of U. S. Highway 98 west of Semmes.								
Mobile County								
(Mob)Mobile Bates Fl	11	0640CST 0650CST			0	0	20K	Tornado (F0)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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ALABAMA, Southwest

An F0 tornado first touched down in southwest Mobile county about 8 miles southwest of the Mobile Regional Airport. The initial touchdown was near Jeff Hamilton Road, just to the east of Newman Road. The weak tornado moved across open fields and forest, moving across Newman Road near the Branson subdivision. The tornado then moved through the subdivision, blowing down several trees. Some homes were damaged as a result of the fallen trees, while other homes suffered roof damage due to the high winds. The tornado then moved north and crossed Airport Boulevard just west of Newman Road. More trees were blown down here, and several more homes suffered damage, mainly to roofs, from either fallen trees or high winds. The tornado then lifted back into the cloud, about 5 miles southwest of the Mobile Airport. The line of thunderstorms that produced the tornado was associated with the remnants of Tropical Storm Allison, which were moving east across the region.

Mobile County

Georgetown

11 0645CST 0 0 70K Thunderstorm Wind (G65)
0650CST

High winds from a mesocyclone blew down several trees with some landing on roofs of homes and automobiles. The high winds also caused some damage to roofs and outbuildings. Most of the damage was along State Highway 217 just north of the Georgetown Fire Department. The damage area was about a mile wide.

Washington County

4 S Deer Park to 3 S Deer Park

11 0710CST 0 0 8K Thunderstorm Wind (G55)
0712CST

Trees and power lines were blown down by high thunderstorm winds along U. S. Highway 45 south of Deer Park.

ALZ063>064

Lower Mobile - Lower Baldwin

11 0930CST 0 0 10K High Wind (G45)
1230CST

High gradient winds caused by a strong area of high pressure off the east coast and the remnants of Allison caused some minor damage across the coastal sections of Baldwin and Mobile counties. Sustained wind speeds of 30 to 45 mph with higher gusts were measured at several locations between 930 am and 1230 pm. Some minor damage occurred with small tree limbs blown down and power lines also blown down.

ALZ063>064

Lower Mobile - Lower Baldwin

11 1015CST 0 0 3K Coastal Flooding
1400CST

A strong ridge of high pressure off the east coast combined with the remains of Allison caused a tight pressure gradient along the coastal areas of Alabama. Strong southerly winds caused minor coastal flooding over the west end of Dauphin Island and forced the closure of Shell Belt Road in Bayou La Batre. The Causeway across Mobile Bay also had water across the eastbound lanes. Alabama Highway 182 between Gulf Shores and Orange Beach had water in the eastbound lanes of the highway.

Covington County

Libertyville

11 1705CST 0 0 15K Tornado (F0)
1720CST

An F0 tornado first touched down on State Road 55 several miles south of Libertyville, near the Stanley community. Six homes, and a church sustained some minor roof damage, and two outbuildings were also damaged. The tornado tracked northeast, crossing County Roads 32 and 34, and passing just east of the New Shady Grove Church. Trees were blown down at these locations. The tornado then lifted back into the cloud just north of County Road 34.

Covington County

14 NE Red Level to 15 NE Red Level

11 1940CST 0 0 Funnel Cloud
1950CST

Crenshaw County

4 NW Dozier

11 1940CST 0 0 Funnel Cloud
1950CST

Several funnel clouds were reported along County Road 37 near the border of Covington and Crenshaw counties. The funnel clouds never touched down and most of the sightings were near Mayberry Gully.

Crenshaw County

Luverne

11 2120CST 0 0 Flash Flood
2300CST

Several roads in the south part of the town of Luverne became impassable due to standing water resulting from heavy rain. The roads were closed for a couple of hours until the waters receded. The very heavy rainfall occurred as the remnants of Tropical Storm Allison moved east across the area.

Washington County

Chatom

14 1210CST 0 0 5K Thunderstorm Wind (G55)
1225CST

Trees and power lines were blown down in and around Chatom as a thunderstorm moved through the county.

Butler County

Greenville

14 1230CST 0 0 5K Thunderstorm Wind (G55)
1235CST

Several trees were blown down around the community as thunderstorms moved through the area.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>ALABAMA, Southwest</u>							
Choctaw County							
Gilbertown	14	1255CST 1300CST			0 0	15K	Thunderstorm Wind (G60)
High thunderstorm winds downed trees and power lines in the community.							
Escambia County							
Huxford	14	1300CST 1310CST			0 0	5K	Thunderstorm Wind (G55)
Trees downed by high thunderstorm winds near the Poarch Creek Indian Reservation.							
Clarke County							
Thomasville	14	1310CST 1315CST			0 0	5K	Thunderstorm Wind (G55)
Several trees were blown down by strong thunderstorm winds.							
Choctaw County							
Butler	14	1315CST			0 0	5K	Lightning
Lightning struck a house, resulting in a small fire that was quickly put out, but did cause some damage.							
Wilcox County							
Pine Hill	14	1325CST 1330CST			0 0	5K	Thunderstorm Wind (G55)
Strong thunderstorm winds downed several trees around the community.							
Choctaw County							
Toxey	14	1330CST 1335CST			0 0	10K	Thunderstorm Wind (G60)
Trees and power lines were blown down by high thunderstorm winds.							
Clarke County							
Thomasville	14	1400CST 1410CST			0 0	15K	Thunderstorm Wind (G60)
Strong thunderstorm winds blew down numerous trees in the Thomasville area. Some minor damage to several homes occurred as well, primarily when large limbs and downed trees fell onto rooftops. Some shingle damage was also noted.							
Wilcox County							
Sunny South	14	1405CST 1410CST			0 0	5K	Thunderstorm Wind (G55)
Several trees were reported down along State Road 5 after strong thunderstorms moved through the area.							
Wilcox County							
Camden	19	1500CST 1510CST			0 0	30K	Thunderstorm Wind (G60)
Trees were blown down and some roofs of houses were damaged, mainly due to falling trees, as strong thunderstorms moved through the area. A roof was also peeled off a larger building in the downtown area.							
Covington County							
Andalusia	21	1635CST 1640CST			0 0		Hail (0.75)
Washington County							
Tibbie	22	1630CST 1635CST			0 0	5K	Thunderstorm Wind (G55)
Strong thunderstorm winds blew down several trees and produced minor roof damage to a couple of homes.							
Washington County							
Tibbie	22	1630CST			0 1		Lightning
Lightning indirectly struck a woman while she was standing on the back porch of her home during a thunderstorm. The woman was not hospitalized as she was checked by emergency medical personnel at the scene and declared to be not significantly injured.							
<u>ALASKA, Northern</u>							
Upr Tanana Vly Fortymile							
Tok	29 30	1200AST 2359AST			0 0	400K	Wild/Forest Fire
A man-caused wildfire began June 29 in the Tok area and spread quickly due to the wind from a nearby thunderstorm. Approximately 150 acres was burned. Two homes, six outbuildings (sheds, greenhouses) were destroyed, along with a pick-up truck and a water well drill truck. Initially, 100 homes were evacuated; 150 people checked into a Red Cross shelter on the 29th but all returned to their homes by late that evening. Event continued into July.							
<u>ALASKA, Southeast</u>							

NONE REPORTED.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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ALASKA, Southern

Kenai Peninsula

70 E Kenai to 90 E Kenai	26 29	0900AST 2359AST			0 0	800K		Wild/Forest Fire
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A wildfire, related to a prescribed burn originally set June 15th, began late Monday. The fire grew from 100 acres to 800 acres, outside the original 1,100 acre controlled burn, Tuesday. Campers at the Trail River Campground were evacuated at 1 am Tuesday. Alaska State Troopers knocked on doors later Tuesday in the communities of Crown Point, Lawing and Moose Pass, warning residents to have their bags packed in case they needed to evacuate.

AMERICAN SAMOA

Tutuila

Central Portion	10 11	1500SST 1200SST			0 0			Rip Currents
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Surf of 10 to 14 feet were observed along south shores of Tutuila mainly from Nuuli to Fagaalu. These higher than normal surf were generated by a moderate low that moved eastward of eastern New Zealand.

ARIZONA, Central and Northeast

Coconino County

Flagstaff	11 16	1100MST 1800MST			0 0			Wild/Forest Fire
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The Leroux Fire was caused by an abandoned camp fire near Snow Bowl Road on the San Francisco Peaks. Red Flag conditions caused the fire to spread rapidly across the slope into mixed conifer and aspen stands on the first day (6-11). Red Flag conditions continued on the second day (6-12) with significant spread. On 6-13 a cold front moved across the fire with little additional fire spread. Containment was achieved on 6-16 and the fire was controlled on 6-23 after 0.40 inches of rain fell. The Leroux Fire burned more than 1250 acres and cost about 3.2 million dollars to contain. In all, over 600 people helped fight this fire.

ARIZONA, Northwest

NONE REPORTED.

ARIZONA, South

Pima County

Tucson	20	1755MST 1820MST			0 0	30K	0	Thunderstorm Wind
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A severe thunderstorm produced damaging winds that brought trees and power poles down on the east side of Tucson. Down trees damaged two cars and portions of a roof from a 4th story building were blown off due to the strong winds.

Pima County

Tucson Ryan Fld Arpt	20	1845MST			0 0	0	0	Thunderstorm Wind (G76) M
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Peak wind gust recorded at Ryan Field airport.

Pima County

Tucson	22	1745MST			0 0	0	0	Thunderstorm Wind (G50) M
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Spotter reported 58 mph wind gust from hand held anemometer.

Pima County

15 E Tucson	22	1820MST 1825MST			0 0	5K		Thunderstorm Wind (G50)
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Trees blown down by thunderstorm wind.

Graham County

(E74)Safford Arpt	25	1448MST			0 0	0	0	Thunderstorm Wind (G51) M
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Peak wind gust measured at the Safford airport. Blowing dust also reduced visibilities below half a mile.

ARIZONA, Southwest

NONE REPORTED.

ARKANSAS, Central and North Central

Pope County

Scottsville	02	0432CST			0 0			Thunderstorm Wind (G50)
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Thunderstorm winds downed some large tree limbs around Scottsville.

Baxter County

Lakeview	03	0200CST			0 0			Hail (1.50)
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Baxter County

Mountain Home	03	0205CST			0 0			Hail (0.75)
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Jackson County

Grubbs	03	0714CST			0 0			Hail (0.75)
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Jackson County

Grubbs	03	0714CST			0 0			Hail (0.75)
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Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
ARKANSAS, Central and North Central							
Pike County							
8 N Murfreesboro	05	1805CST			0	0	Thunderstorm Wind (G50)
							Thunderstorm winds destroyed two boat houses and damaged several boats and docks on Lake Greeson, about 8 miles north of Murfreesboro.
White County							
Sunnydale	14	1555CST			0	0	Thunderstorm Wind (G50)
							Thunderstorm winds blew down some large trees.
Independence County							
Newark	14	1635CST			0	0	Thunderstorm Wind (G50)
							Thunderstorm winds blew down trees and power lines around Newark.
Independence County							
Sulphur Rock	14	1650CST			0	0	Thunderstorm Wind (G50)
							Thunderstorm winds knocked down some trees and power lines.
Sharp County							
Calamine	14	1710CST			0	0	Thunderstorm Wind (G50)
							Thunderstorm winds blew down some power lines around Calamine.
Marion County							
Pyatt	14	1935CST			0	0	Hail (0.75)
Boone County							
6 S Harrison	14	1943CST			0	0	Hail (0.75)
Boone County							
3 SE Bellefonte	14	1946CST			0	0	Hail (0.75)
Boone County							
3 N Olvey	14	1946CST			0	0	Thunderstorm Wind (G50)
							Thunderstorm winds downed several trees and blew the roof off a barn.
Newton County							
1 SE Boxley	14	1955CST			0	0	Hail (1.00)
							Hail up to one inch in diameter damaged some crops just to the southeast of Boxley.
Polk County							
Cove	14	2005CST			0	0	Thunderstorm Wind (G50)
							Thunderstorm winds knocked down trees and power lines around Cove.
Scott County							
Hon	14	2010CST			0	0	Hail (0.75)
Polk County							
Mena	14	2015CST			0	0	Thunderstorm Wind (G50)
							Thunderstorm winds downed some trees and power lines.
Newton County							
5 N Fallsville	14	2030CST			0	0	Hail (0.75)
Newton County							
5 N Fallsville	14	2030CST			0	0	Thunderstorm Wind (G50)
							Thunderstorm winds blew down a few trees.
Searcy County							
St Joe	14	2030CST			0	0	Hail (0.75)
Polk County							
Ink	14	2030CST			0	0	Hail (0.75)
Polk County							
Ink	14	2030CST			0	0	Thunderstorm Wind (G50)
							Thunderstorm winds downed some large tree limbs.
Logan County							
Booneville	14	2034CST			0	0	Thunderstorm Wind (G62)
Logan County							
Booneville	14	2047CST			0	0	Thunderstorm Wind (G50)
							Several trees were blown down.
Johnson County							
3 NE Coal Hill	14	2050CST			0	0	Thunderstorm Wind (G50)
							Thunderstorm winds knocked down trees and power lines.
Montgomery County							
Countywide	14	2050CST			0	0	Thunderstorm Wind (G50)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
ARKANSAS, Central and North Central								
								Thunderstorm winds downed numerous trees and damaged the roofs of several buildings, primarily in the western part of the Montgomery County.
Pike County								
Nathan	14	2055CST			0	0	15K	Thunderstorm Wind (G50)
								Thunderstorm winds damaged a chicken house at Nathan.
Yell County								
Bluffton	14	2105CST			0	0		Thunderstorm Wind (G50)
								Thunderstorm winds downed several trees.
Johnson County								
3 S Clarksville	14	2105CST			0	0		Thunderstorm Wind (G50)
								Thunderstorm winds overturned three large truck trailers at a distribution center three miles south of Clarksville.
Pike County								
Murfreesboro	14	2105CST			0	0		Thunderstorm Wind (G50)
								Thunderstorm winds knocked a couple of trees down on the roof of a cabin near Murfreesboro.
Pike County								
Glenwood	14	2110CST			0	0		Thunderstorm Wind (G50)
								Thunderstorm winds knocked down a large tree onto Highway 70 near Glenwood.
Logan County								
New Blaine	14	2110CST			0	0		Thunderstorm Wind (G50)
								Thunderstorm winds knocked down a few trees.
Pike County								
Antoine	14	2115CST			0	0		Thunderstorm Wind (G50)
								Thunderstorm winds downed some large tree limbs and damaged the roofs of several buildings.
Yell County								
Danville to Centerville	14	2115CST			0	0		Thunderstorm Wind (G50)
								Thunderstorm winds damaged some light poles at Danville.
Johnson County								
Lamar	14	2120CST			0	0		Thunderstorm Wind (G50)
								A few trees were blown down.
Pope County								
London	14	2130CST			0	0		Thunderstorm Wind (G50)
								Trees and power lines were blown down.
Clark County								
Okolona	14	2135CST			0	0		Thunderstorm Wind (G50)
								Thunderstorm winds downed some trees.
Hot Spring County								
Bonnerdale	14	2135CST			0	0		Thunderstorm Wind (G50)
								A few trees were blown down.
Pope County								
Russellville	14	2140CST			0	0		Thunderstorm Wind (G50)
								Thunderstorm winds knocked down a number of trees in Russellville.
Garland County								
Pearcy	14	2150CST			0	0		Thunderstorm Wind (G50)
								A severe thunderstorm blew down a large tree onto a house in Percy.
Pope County								
Pottsville	14	2150CST			0	0		Thunderstorm Wind (G50)
								Thunderstorm winds downed trees and power lines.
Clark County								
Gurdon	14	2150CST			0	0		Thunderstorm Wind (G50)
								A tree fell on a garage, crushing the structure and a car inside at Gurdon.
Clark County								
Arkadelphia	14	2155CST			0	0		Thunderstorm Wind (G50)
								Trees and power lines were blown down in Arkadelphia.
Perry County								
Hollis	14	2155CST			0	0		Thunderstorm Wind (G50)
								Thunderstorm winds downed some large trees at Hollis.
Garland County								
Hot Spgs	14	2200CST			0	0		Thunderstorm Wind (G50)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
ARKANSAS, Central and North Central								
Thunderstorm winds blew down trees and power lines.								
Garland County								
Hot Spgs	14	2200CST			0	0		Thunderstorm Wind (G50)
Thunderstorm winds blew down several trees.								
Stone County								
Fifty Six	14	2200CST			0	0		Thunderstorm Wind (G50)
Thunderstorm winds downed some large trees.								
Clark County								
Gum Spgs	14	2204CST			0	0		Thunderstorm Wind (G50)
Several trees were blown down or were snapped and there was some roof damage near Gum Springs.								
Garland County								
Fountain Lake	14	2205CST			0	0		Thunderstorm Wind (G50)
Several large trees were knocked down by a severe thunderstorm.								
Conway County								
Morrilton	14	2225CST			0	0		Hail (0.88)
Ouachita County								
Countywide	14	2230CST			0	0		Thunderstorm Wind (G50)
Numerous trees and power lines were blown down throughout the county.								
Hot Spring County								
Rockport	14	2230CST			0	0		Thunderstorm Wind (G50)
Thunderstorm winds blew down some large limbs.								
Hot Spring County								
Malvern	14	2230CST			0	0		Thunderstorm Wind (G50)
Several buildings in Malvern sustained roof damage.								
Searcy County								
East Portion	14	2230CST			0	0		Flash Flood
	15	0000CST						
Heavy rains resulted in flash flooding over the eastern portions of Searcy County. Several county roads were flooded with no significant damage reported.								
Van Buren County								
Bee Branch	14	2240CST			0	0		Thunderstorm Wind (G50)
Thunderstorm winds knocked down a few trees.								
Grant County								
Poyen	14	2240CST			0	0		Hail (0.75)
Grant County								
Poyen	14	2240CST			0	0		Thunderstorm Wind (G50)
A few trees were knocked down.								
Perry County								
Bigelow	14	2240CST			0	0		Thunderstorm Wind (G50)
Thunderstorm winds knocked down some large tree limbs.								
Dallas County								
Countywide	14	2245CST			0	0		Thunderstorm Wind (G50)
Thunderstorm winds knocked down numerous trees and power lines across Dallas County.								
Saline County								
2 N Benton	14	2247CST			0	0		Thunderstorm Wind (G50)
Several trees were blown down.								
Saline County								
Benton	14	2250CST			0	0		Thunderstorm Wind (G61)
Faulkner County								
Conway	14	2250CST			0	0		Thunderstorm Wind (G52)
Stone County								
Mountain View	14	2300CST			0	0		Flash Flood
	15	0000CST						
Heavy rains resulted in some street flooding near Mountain View.								
Saline County								
Collegeville	14	2305CST			0	0		Thunderstorm Wind (G52)
Pulaski County								
10 SW Little Rock	14	2305CST			0	0		Thunderstorm Wind (G50)
Thunderstorm winds downed a large tree onto a house.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
ARKANSAS, Central and North Central							
Saline County							
Bryant	14	2310CST			0	0	Thunderstorm Wind (G50)
			Thunderstorm winds downed several trees.				
Pulaski County							
Jacksonville	14	2310CST			0	0	Hail (0.88)
Calhoun County							
Countywide	14	2310CST			0	0	Thunderstorm Wind (G50)
			Thunderstorm winds downed numerous trees and power lines across the county.				
Faulkner County							
Vilonia	14	2310CST			0	0	Thunderstorm Wind (G50)
			Thunderstorm winds knocked down some large tree limbs and power lines.				
Lonoke County							
Austin	14	2320CST			0	0	Thunderstorm Wind (G50)
			Thunderstorm winds blew down a large tree which landed on a house in Austin.				
Sharp County							
4 SW Hardy	14	2330CST			0	0	Flash Flood
	15	0015CST					
			Heavy rains, up to 4 inches in some areas, caused street flooding in the town of Highland. No other damage was reported.				
Cleveland County							
Rison	14	2335CST			0	0	Thunderstorm Wind (G50)
			Thunderstorm winds damaged the roofs of several buildings in Rison.				
Bradley County							
Warren	14	2335CST			0	0	Thunderstorm Wind (G50)
			Several buildings sustained roof damage in Warren.				
White County							
Mc Rae	14	2335CST			0	0	Thunderstorm Wind (G50)
			Thunderstorm winds knocked down power poles and damaged the roof of a high school in McRae.				
Pulaski County							
North Little Rock	14	2340CST			0	0	Thunderstorm Wind (G50)
			Thunderstorm winds downed some power lines.				
White County							
Searcy	14	2345CST			0	0	Thunderstorm Wind (G50)
			Thunderstorm winds blew down several trees and damaged the roofs of a few buildings in Searcy.				
Lincoln County							
1 N Star City	15	0000CST			0	0	Thunderstorm Wind (G50)
			Thunderstorm winds downed some large tree limbs.				
Jackson County							
Newport	15	0005CST			0	0	Thunderstorm Wind (G50)
			Numerous large tree limbs were blown down in Newport.				
Prairie County							
Des Arc	15	0010CST			0	0	Thunderstorm Wind (G50)
			Thunderstorm winds knocked down some large tree limbs and damaged some electrical lines.				
Drew County							
Monticello	15	0010CST			0	0	Thunderstorm Wind (G50)
			Several buildings at the University of Arkansas in Monticello sustained roof damage from a severe thunderstorm.				
Drew County							
5 SE Monticello	15	0015CST			0	0	Thunderstorm Wind (G50)
			Thunderstorm winds knocked down some power lines.				
Arkansas County							
De Witt	15	0040CST			0	0	Thunderstorm Wind (G50)
			Thunderstorm winds downed some large tree limbs and power lines.				
Woodruff County							
Hunter	15	0045CST			0	0	Thunderstorm Wind (G50)
			Thunderstorm winds downed some large tree limbs and blew some shingles off the roof of a house in Hunter.				
Monroe County							
1 S Brinkley	15	0050CST			0	0	Thunderstorm Wind (G50)
			Thunderstorm winds damaged the roof of a home just to the south of Brinkley.				
Monroe County							
5 NW Brinkley	27	1350CST			0	0	Hail (0.88)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>ARKANSAS, Central and North Central</u>								
Woodruff County								
1 S Cotton Plant	27	1400CST			0	0		Hail (0.88)
White County								
6 W Beebe	27	1530CST			0	0		Hail (1.00)
White County								
El Paso	27	1530CST			0	0		Hail (0.75)
Dallas County								
6 N Fordyce	27	1546CST			0	0		Hail (0.75)
White County								
4 NE El Paso	27	1555CST			0	0		Hail (0.88)
Saline County								
3 SE Paron	27	1620CST			0	0		Hail (0.75)
Pulaski County								
Ferndale	27	1625CST			0	0		Hail (0.75)
Lonoke County								
Butlerville	27	1628CST			0	0		Thunderstorm Wind (G50)
								Thunderstorm winds downed some large tree limbs.
Bradley County								
Warren	27	1630CST			0	0		Thunderstorm Wind (G50)
								A few trees fell on houses, with a roof blown off of a mobile home near Warren.
Bradley County								
Warren	27	1630CST			0	0		Hail (1.75)
								Up to golfball size hail damaged some tomatoes near Warren.
Independence County								
Bethesda	27	1635CST			0	0		Hail (0.75)
Cleburne County								
1 NE Woodrow	27	1710CST			0	0		Hail (0.88)
Independence County								
Batesville	27	1715CST			0	0		Hail (1.75)
Fulton County								
Viola	27	1730CST			0	0	30K	Thunderstorm Wind (G50)
								Thunderstorm winds removed at least half of a metal roof at a school building in Viola. Several trees were also blown down.
Izard County								
Pineville	27	1800CST			0	0		Hail (1.00)
Izard County								
3 E Calico Rock	27	1812CST			0	0		Hail (1.00)
Bradley County								
5 W Hermitage	29	1055CST 1200CST			0	0		Flash Flood
								Heavy rains resulted in flash flooding along Highway 160 west of Hermitage.
Calhoun County								
3 SE Harrell	29	1105CST 1200CST			0	0		Flash Flood
								Heavy rains caused flash flooding to occur along Highway 160, three miles southeast of Harrell. The water receded after about an hour.
Yell County								
3 NW Plainview	30	0400CST			0	0		Hail (0.75)
Yell County								
1 NW Rover	30	0500CST			0	0		Hail (0.75)
Yell County								
2.5 E Danville	30	0500CST			0	0		Flash Flood
								Over 5 inches of rain washed a culvert completely out of the ground and damaged a newly constructed portion of Arkansas Highway 10 about 2.5 miles east of Danville. Creeks also rose to near bankfull in the area, and threatened a few homes.
<u>ARKANSAS, East</u>								
Randolph County								
Maynard	03	0345CST 0350CST			0	0	0.75K	Hail (1.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
ARKANSAS, East								
Clay County								
Corning	03	0410CST 0415CST			0	0	0.75K	Hail (1.75)
Mississippi County								
Blytheville	03	0430CST 0435CST			0	0	0.05K	Hail (0.88)
Clay County								
Corning	03	0505CST 0510CST			0	0	400K	Hail (2.75)
Numerous homes and automobiles were damaged by hail.								
Crittenden County								
Marion	03	0645CST 0650CST			0	0	0.10K	Hail (1.00)
Poinsett County								
Harrisburg	03	0745CST 0750CST			0	0	0.01K	Hail (0.75)
Lawrence County								
Countywide	14	1700CST 1715CST			0	0	15K	Thunderstorm Wind
Numerous trees were knocked down mainly across the western part of the county.								
Randolph County								
18 N Pocahontas	14	1735CST 1740CST			0	0	5K	Thunderstorm Wind
A couple of trees were blown down.								
St. Francis County								
Forrest City	27	0408CST 0415CST			0	0	0.25K	Hail (1.25)
St. Francis County								
Forrest City	27	0420CST 0425CST			0	0	0.05K	Hail (0.88)
St. Francis County								
1 S Caldwell	27	0450CST 0455CST			0	0	0.01K	Hail (0.75)
Mississippi County								
Blytheville	27	1214CST 1220CST			0	0	0.85K	5K Hail (1.75)
A cotton crop was damaged by hail which ranged in size from quarters to golf ball.								
Mississippi County								
Blytheville	27	1220CST 1225CST			0	0	10K	Thunderstorm Wind
A church had some of its windows blown out. Several trees were knocked down.								
Greene County								
Walcott	27	1252CST 1300CST			0	0	0.01K	Hail (0.75)
Greene County								
Walcott	27	1312CST 1320CST			0	0	0.05K	Hail (0.88)
Mississippi County								
Blytheville	27	1500CST 1505CST			0	0	0.01K	Hail (0.75)
Mississippi County								
Burdette	27	1525CST 1530CST			0	0	0.01K	Hail (0.75)
Mississippi County								
Osceola to Gosnell	27	1525CST 1540CST			0	0	10K	Thunderstorm Wind
Several trees and power lines were blown down.								
Mississippi County								
Manila	28	1850CST 1855CST			0	0	5K	Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

June 2001

								June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm	
<u>ARKANSAS, East</u>								
A few trees were knocked down.								
<u>ARKANSAS, Northwest</u>								
Carroll County								
Oak Grove	14	1820CST			0	0	Hail (0.75)	
Washington County								
Fayetteville	14	1836CST			0	0	Hail (0.75)	
Madison County								
3 S Rockhouse	14	1838CST			0	0	Hail (1.75)	
Sebastian County								
Ft Smith	14	1945CST			0	0	Thunderstorm Wind (G52)	
Thunderstorm winds estimated at 60 miles an hour blew down large tree limbs.								
Crawford County								
Van Buren	14	1950CST			0	0	Hail (0.75)	
Crawford County								
Van Buren	14	1950CST			0	0	Thunderstorm Wind (G57)	
Crawford County								
Alma	14	1955CST			0	0	Thunderstorm Wind (G61)	
Thunderstorm winds estimated at 70 miles an hour blew down large trees.								
Franklin County								
1 N Ozark	14	2030CST			0	0	Thunderstorm Wind (G61)	
Thunderstorm winds estimated at 70 miles an hour blew down several trees.								
Benton County								
3 NE Siloam Spgs	21	0445CST			0	0	Thunderstorm Wind (G61)	
Thunderstorm winds estimated at 70 miles an hour blew down several trees.								
Washington County								
Fayetteville	21	0515CST			0	0	Thunderstorm Wind (G61)	
Thunderstorm winds estimated at 70 miles an hour blew down a large tree.								
Madison County								
Combs	21	0540CST			0	0	Hail (0.75)	
Crawford County								
4 NE Van Buren	21	0555CST			0	0	3K Thunderstorm Wind (G61)	
Thunderstorm winds estimated at 70 miles an hour blew down trees and power lines.								
Crawford County								
2 N Van Buren	21	0615CST			0	0	Hail (0.75)	
Sebastian County								
Ft Smith	21	0616CST			0	0	Hail (0.88)	
Madison County								
Forum	27	1346CST			0	0	Hail (1.00)	
Madison County								
St Paul	27	1530CST			0	0	Thunderstorm Wind (G52)	
Thunderstorm winds estimated at 60 miles an hour blew down numerous large tree limbs.								
Madison County								
Forum	28	1205CST			0	0	Hail (0.75)	
Madison County								
North Portion	28	1315CST 1600CST			0	0	Flash Flood	
Heavy thunderstorm rains flooded roads in and around Clifty and Huntsville.								
Sebastian County								
Hackett	30	0105CST			0	0	Hail (1.00)	
<u>ARKANSAS, Southeast</u>								
Ashley County								
Crossett	04	1340CST			0	0	1K Thunderstorm Wind	
A few trees were blown down.								
Ashley County								
Hamburg	04	1345CST			0	0	15K Hail (1.50)	
Hail of up to 1.5" diameter caused damage to cars and building roofs.								
Ashley County								
3 W Crossett	21	1850CST			0	0	1K Thunderstorm Wind	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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ARKANSAS, Southeast

Several large tree limbs were blown down in the town of Crossett.

Ashley County								
Hamburg	27	1405CST			0	0		Hail (0.88)
Ashley County								
Hamburg	27	1405CST			0	0	1K	Thunderstorm Wind

A few trees were blown down.

ARKANSAS, Southwest

Little River County

3 E Foreman	14	2010CST			0	0		Thunderstorm Wind (G52)
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Several large trees down.

Sevier County

2 E De Queen	14	2037CST			0	0		Thunderstorm Wind (G60) M
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Several large oak trees toppled and large pines snapped.

Howard County

2 W Nashville	14	2055CST			0	0		Thunderstorm Wind (G58) M
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Numerous trees down across roads.

Howard County

Nashville	14	2055CST			0	0	20K	Thunderstorm Wind (G58) M
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Windows blown out of business downtown.

Howard County

2 NW Corinth	14	2100CST			0	0		Thunderstorm Wind (G52)
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Large trees toppled and blocking road along Hwy 369.

Hempstead County

Blevins	14	2140CST			0	0		Thunderstorm Wind (G58)
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Several large trees down.

Nevada County

Bodcaw	14	2200CST			0	0		Thunderstorm Wind (G54)
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Numerous trees down around town.

Nevada County

3 NE Bodcaw	14	2200CST			0	0		Thunderstorm Wind (G54)
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Numerous trees down near the crossroads of Hwy 53 and 278.

Nevada County

10 N Prescott	14	2200CST			0	0		Thunderstorm Wind (G54)
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Numerous trees toppled along Hwy 19 near the Pike County line.

Union County

El Dorado to Smackover	14	2230CST			0	0	175K	Flash Flood
	15	0430CST						

Unofficial reports of 10 inches of rain were received which was responsible for washing out a number of roads, bridges and culverts throughout the area from El Dorado to Smackover. Murphy road was washed out completely and Hayes City Loop suffered extensive culvert damage while Silver Hill Loop was "cut in two." Silver Hill Loop arches northward from Arkansas 160 west of Smackover and was described as a scene that resembled the aftermath of a small bombing attack. The road simply vanished into a jagged crater than sank well past the original road bed, some six feet beneath the existing cap, into a pool of muddy water.

Sevier County

De Queen	29	0345CST			0	0		Hail (0.75)
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Howard County

Dierks	29	0445CST			0	0		Hail (0.75)
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Columbia County

Magnolia	30	1105CST			0	0		Funnel Cloud
		1108CST						

CALIFORNIA, Extreme Southeast

NONE REPORTED.

CALIFORNIA, North Central

NONE REPORTED.

CALIFORNIA, Northeast

NONE REPORTED.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage	Property	Crops	Character of Storm
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CALIFORNIA, Northwest

NONE REPORTED.

CALIFORNIA, South Central

CAZ095-098>099 Kern Cty Mtns - Indian Wells Vly - Se Kern Cty Desert

03 1353PST

0 0

Wind

04 0800PST

A gusty wind episode occurred in the Kern County area on the 3rd and 4th of the month with winds reported as follows: Edwards AFB wind towers showing gusts 45-60 MPH by 1852 PST; Indian Wells Canyon RAWs reaching 47 MPH; and, Jawbone RAWs with gusts to 60 MPH. While elevated, these wind speeds did not reach the localized requirements for wind warning although causing concerns for vehicle movement.

CAZ099 Se Kern Cty Desert

05 1920PST

0 0

High Wind (G68) M

06 0500PST

Wind advisory status for the Mojave area needed to be upgraded to Wind Warning as winds reached 68 knots at the Mojave Airport at 1920 PST. Wind advisories had been posted at 1200 PST earlier in the day.

CAZ095-098 Kern Cty Mtns - Indian Wells Vly

11 1400PST

0 0

Wind

13 0900PST

CAZ099 Se Kern Cty Desert

12 1446PST

0 0

High Wind (G70) M

1900PST

Winds gusted at the Mojave Airport between 50 to 70 knots from 1346 to 1900 PST on the 12th thereby leading to a wind warning for that zone...gusty wind was observed elsewhere in the Kern County area from the 11th through the 13th: Jawbone had gusts to 66 MPH on 12/1653 PST and Indian Wells Canyon reached 56 MPH on 11/2213 PST.

Merced County

5 E Gustine

13 1300PST

0 0

Wild/Forest Fire

15 1200PST

The 165-Los Banos/SNF562 Wildfire ignited by an unknown cause burned approximately 1500 acres in the Kesterson Wildlife Refuge. No structures were lost with no fatalities occurring. Cost to combat unknown.

Mariposa County

5 NW Hornitos

13 1400PST

0 0

Wild/Forest Fire

14 1200PST

The Merced Falls Wildfire was caused by a metal-bladed weed eater. It burned approximately 400 acres but no fatalities or structures were lost. The cost to combat is unknown.

Kern County

15 E Bakersfield

23 1345PST

0 0

565K

Wild/Forest Fire

28 1200PST

The Democrat Wildfire was ignited by unknown cause and burned 550 acres before being contained with no fatalities or structures lost. The cost to contain was \$565K.

CAZ096 S Sierra Mtns

30 0000PST

0 0

Dry

2359PST

Despite Fresno and Bakersfield (in the San Joaquin Valley) having water years (July 1st to June 30th) apparently reflecting near normal conditions, below normal snowpack occurred throughout the state. This was especially true in Interior Central California as 2.23" of rain had fallen early in September and October and did not significantly contribute to the snowpack. State Water Project allocations were only at 30% which is the result of the 8-Station NorCal Precipitation Index being approximately 65% of average and snow water content at 60% of average.

CALIFORNIA, Southeast

NONE REPORTED.

CALIFORNIA, Southwest

CAZ058-061 San Diego County Mountains - Coachella Valley

03 0700PST

0 0

60K

High Wind (G60)

2207PST

Several power poles were blown down in North Palm Springs early Sunday morning below the canyon leading up to the Aerial Tramway. Power outages affected 1,200 customers between Palm Springs and Rainbow. Frequent wind gusts over 40 mph occurred through the day and into the night along the east slopes of the mountains in Riverside and San Diego counties.

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
CALIFORNIA, Southwest									
A control burn turned into a wild fire when an ember was blown into dry grass, burning 700 acres outside the original fireline. Dubbed the Hemlock Fire, a total of 1074 acres were consumed, three structures damaged, one vehicle destroyed, 6 fire fighters injured, and 60 people evacuated. Temperatures in the 90s and winds gusting between 15 to 25 mph were blamed for the rapid spread of the fire.									
San Diego County									
7 SW Julian	14	1400PST 1700PST			0	0		Wild/Forest Fire	
A brush fire consumed 30 acres in a remote area of the Cleveland National Forest. About 136 firefighters, four air tankers, two water-dropping helicopters, and a bulldozer battled the blaze.									
San Diego County									
6 E Ramona	15	1300PST 1700PST			0	3		Wild/Forest Fire	
Three hundred firefighters, aided by four air tankers and a helicopter, protected homes from being consumed in a brush fire. Thirty acres burned, several residents were evacuated, one fire fighter injured, and two others overcome by heat exhaustion.									
San Bernardino County									
2 N San Antonio Hgts t 1 E Mt Baldy	16 24	1500PST 1700PST			0	2		Wild/Forest Fire	
Over 300 acres had burned along Stoddard Canyon in steep terrain that had not burned in 30 years. Named the Shinn Fire, it was fully contained after eight days.									
San Bernardino County									
4 NE Big Bear Lake	17	1200PST 1700PST			0	0		Wild/Forest Fire	
About 25 acres had burned as of Sunday afternoon in Horse Thief Canyon.									
Riverside County									
Corona	17	1300PST 1800PST			0	0		Wild/Forest Fire	
Two brush fires along the west side of Highway 71, burned 25 acres and caused dense smoke which shut down the freeway between Highway 91 and Euclid Avenue.									
Riverside County									
8 SE Hemet	17 18	1530PST 1700PST			0	6		Wild/Forest Fire	
An arsonist caused a 200 acre brush fire. Six fire fighters sustained minor injuries, three from falling rocks in steep terrain.									
Riverside County									
6 W (Psp)Palm Spgs Arpt 3 W (Psp)Palm Spgs Arpt	17 18	1730PST 1900PST			0	0		Wild/Forest Fire	
A brush fire along Palm Springs Tramway Road burned 300 acres and forced the closure of the Aerial Tramway. Canyon winds between 25 and 30 mph during the night of 6/17/01 impeded efforts to stop the blaze.									
San Bernardino County									
Cajon	19	1030PST 1430PST			0	0		Wild/Forest Fire	
A brush fire near the junction of Interstate 5 and Highway 138 burnt 125 acres and forced the closure of both highways and the Union Pacific railroad tracks. Named the Baldy Fire, it was quickly contained.									
CAZ056									
Riverside County Mountains									
	22 30	1300PST 2359PST			1	2		Excessive Heat	
Two hikers, overcome by heat, were rescued at the 3000 foot elevation level. One was taken to the hospital and treated for dehydration. Another hiker, who also failed to take any provisions along, failed to return. Dogs were unable to find his scent due to the extreme heat in the area, which continued through the following week. He is presumed dead. M65OU									
Riverside County									
Moreno Valley	23 24	1409PST 1700PST			0	2	50K	Wild/Forest Fire	
A brush fire consumed 1500 acres in the Box Springs Mountain Reserve. Residents from ten nearby homes were evacuated. One home sustained roof damage, others had smoke damage. Two fire fighters were injured.									
Riverside County									
Corona	23 25	1830PST 0700PST			0	0	150K	Wild/Forest Fire	
A brush fire consumed one house and ten acres in the foothills of the Santa Ana Mountains in southern Corona.									

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
CALIFORNIA, Southwest								
Riverside County								
Homeland	24	1143PST 1700PST			0	0		Wild/Forest Fire
A brush fire consumed 25 acres near Allen and Olson Avenues in Homeland.								
San Bernardino County								
Colton	24	1200PST 1700PST			0	0	25K	Wild/Forest Fire
A brush fire consumed two outbuildings and two acres near East congress and South Fernando Streets in Colton.								
Riverside County								
Mira Loma	24	1351PST 1700PST			0	0		Wild/Forest Fire
A brush fire consumed eight acres near the Santa Ana River in Mira Loma.								
San Diego County								
Pala	26	1115PST 1700PST			0	0		Wild/Forest Fire
A brush fire burned 100 acres on the Pala Indian Reservation off Magee Road before containment.								
San Diego County								
Camp Pendleton	26 27	1400PST 0700PST			0	0		Wild/Forest Fire
A brush fire started by weapon fire on the training area near Basilone Road, quickly consumed 100 acres.								
Riverside County								
Lake Elsinore	29	1310PST 2300PST			1	0		Wild/Forest Fire
A wild fire, started by sparks from the undercarriage of a Jeep hitting a large rock, consumed 75 acres of brush on the west side of Interstate 15, and 5 acres along the east side of the freeway between North and Lake Streets in Lake Elsinore. Traffic on the freeway was backed up for several miles due to thick smoke and flames in the median strip. The driver of the jeep perished in the fire. M45OU								
San Diego County								
Pala	29	1410PST 1500PST			0	0		Wild/Forest Fire
A brush fire consumed two acres before containment.								
San Bernardino County								
Rialto	30	1615PST 1645PST			0	0	27K	Wild/Forest Fire
A brush fire burned two mobile homes, a shed, a car, and about 15 acres.								
CALIFORNIA, Upper								
CAZ084>085 Northeast Siskiyou And Northwest Modoc Counties - Modoc County								
	02	1417PST			0	0		Extreme Cold
	03	0800PST						
See below.								
A Frost Warning was issued for this night. Reported low temperatures were near 30. No frost was reported, but it likely formed this night.								
CAZ080>082 Western Siskiyou County - Central Siskiyou County - South Central Siskiyou County								
	03	1419PST			0	0		Extreme Cold
	04	0800PST						
See below.								
A Frost Warning was issued for this night. Reported low temperatures ranged from 32 to 38. No frost was reported, but it likely did form this night.								
CAZ084>085 Northeast Siskiyou And Northwest Modoc Counties - Modoc County								
	03	1440PST			0	0		Extreme Cold
	04	0800PST						
See below.								
A Freeze Warning was issued for this night. Reported low temperatures ranged from 22 to 28, with all reporting stations verifying the freeze warning.								
CAZ084>085 Northeast Siskiyou And Northwest Modoc Counties - Modoc County								
	09	2149PST			0	0		Extreme Cold
	10	0800PST						
See below.								
A Frost Warning was issued this night for the above zones. Observed low temperatures ranged from 37 to 43. No frost was reported,								

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

CALIFORNIA, Upper

CAZ080>085

but some likely did form in the colder areas.

Western Siskiyou County - Central Siskiyou County - South Central Siskiyou County - North Central & Southeast Siskiyou County - Northeast Siskiyou And Northwest Modoc Counties - Modoc County

12 1344PST

0 0

Extreme Cold

13 0800PST

See below.

A Frost Warning was issued this night for the above zones. The warning was cancelled at 0415 PDT on 06/13 for zones CAZ080/081/082. This cancellation appears to have been appropriate, but one key station in zone CAZ081 did report a low of 34 degrees. Another station in CAZ082 reported a low of 35 degrees.

As for the remaining zones, this night wound up being colder than expected, with reported low temperatures ranging from 25 to 32 degrees, except for one unusually warm station that reported 44 degrees. A Freeze warning may have been more appropriate for this night.

CALIFORNIA, West South Central

NONE REPORTED.

CALIFORNIA, Western

NONE REPORTED.

COLORADO, Central and Northeast

Elbert County

20 N Kiowa 03 1506MST 0 0 Hail (0.75)

Douglas County

6 E Parker 03 1732MST 0 0 Hail (1.00)

Elbert County

15 NE Elizabeth 03 1737MST 0 0 Hail (1.00)

Elbert County

11 N Elizabeth 03 1740MST 0 0 Hail (1.00)

Arapahoe County

5 SW Byers 03 1741MST 0 0 Hail (0.75)

Arapahoe County

Aurora Cherry Creek 03 1745MST 0 0 Hail (0.75)

Arapahoe County

Aurora Cherry Creek 03 1752MST 0 0 Hail (0.88)

Arapahoe County

Aurora Cherry Creek 03 1757MST 0 0 Hail (0.75)

Arapahoe County

(Apa)Englwood Arapah 03 1800MST 0 0 Hail (1.75)

Larimer County

Berthoud 03 1820MST 0 0 Hail (0.75)

Douglas County

6 NE Parker 03 1828MST 0 0 Hail (0.75)

Arapahoe County

16 ENE (Bkf)Buckley F 03 1835MST 0 0 Hail (1.50)

Douglas County

Parker 03 1840MST 0 0 Hail (1.25)

Adams County

16 N Bennett 04 1414MST 0 0 Hail (0.75)

Adams County

17 N Bennett 04 1432MST 0 0 Hail (1.00)

Adams County

38 E Bennett 04 1451MST 0 0 Hail (1.00)

Adams County

34 E Bennett 04 1540MST 0 0 Hail (0.75)

Adams County

34 E Bennett 04 1540MST 0 0 Tornado (F1)

A tornado touched down and snapped several trees. In addition, a grain bin was thrown 200 yards and the door was ripped off an aircraft hangar. Dime size hail piled up to a foot in depth.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
COLORADO, Central and Northeast								
Lincoln County								
11 NW Karval	04	2207MST			0	0		Hail (1.00)
Lincoln County								
6 W Hugo	07	1558MST			0	0		Hail (0.75)
Elbert County								
3 N Kutch	07	1601MST			0	0		Hail (1.00)
Washington County								
15 W Akron	07	1640MST			0	0		Hail (2.00)
		Large hail broke a windshield.						
Washington County								
15 W Akron	07	1640MST			0	0	0	Tornado (F0)
		A small tornado touched down but did no damage.						
Lincoln County								
12 NW Karval	07	1700MST			0	0	0	Tornado (F0)
		A small tornado touched down but did no damage.						
Adams County								
Westminster	07	1701MST			0	0		Hail (0.88)
Washington County								
10 W Elba	07	1705MST 1708MST			0	0	0	Tornado (F0)
		A small tornado touched down but did no damage.						
Washington County								
9 SW Akron	07	1730MST			0	0		Hail (1.25)
Lincoln County								
4 NE Karval	07	1935MST			0	0		Thunderstorm Wind (G50)
		Strong thunderstorm winds snapped tree limbs, 8 inches in diameter.						
Weld County								
8 N New Raymer	07	1940MST			0	0		Hail (1.75)
Lincoln County								
11 N Limon	09	1312MST			0	0	0	Tornado (F0)
		A small tornado touched down but did no damage.						
Lincoln County								
10 N Limon	09	1314MST			0	0	0	Tornado (F0)
		A small tornado touched down but did no damage.						
Lincoln County								
8 NW Genoa to 3 NW Genoa	09	1332MST 1345MST			0	0		Tornado (F0)
		A large tornado, approximately 1/2 mile wide, touched down briefly. The tornado took out about 200 yards of fencing and windbreaks. One windmill was destroyed and a corn crop was damaged.						
Lincoln County								
3 N Limon	09	1410MST 1415MST			0	0	0	Tornado (F0)
		A small tornado touched down but did no damage.						
Lincoln County								
Limon	09	1506MST			0	0		Hail (0.88)
Lincoln County								
14 S Limon	09	1518MST			0	0	0	Tornado (F0)
		A small tornado touched down but did no damage.						
Lincoln County								
2 S Hugo	09	1535MST			0	0	0	Tornado (F0)
		A large tornado, between 1/2 mile and 1 mile wide, touched down briefly. No damage however was reported.						
Lincoln County								
8 ESE Hugo	09	1552MST			0	0		Thunderstorm Wind (G70)
COZ035-039								
	13	0100MST 0200MST			0	0		High Wind (G66) ^M
		High wind developed briefly in Boulder County. A peak wind gust to 76 mph (66 kts) was recorded at the National Center of Atmospheric Research (NCAR), with a gust to 72 mph (63 kts) registered the Southern Hills Middle School in Boulder.						

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
COLORADO, Central and Northeast								
Arapahoe County								
Greenwood Vlg	13	1700MST			0	0	0	Lightning
Lightning caused a small housefire, damaging the roof.								
Jefferson County								
Conifer	19	1230MST			0	0	0	Hail (0.88)
Jefferson County								
5 S Conifer	19	1230MST			0	0		Hail (1.75)
Jefferson County								
1 S Conifer	19	1255MST			0	0	0	Hail (0.75)
Park County								
2 N Bailey	19	1405MST			0	0		Hail (1.75)
Weld County								
3 E Mead	20	1745MST			0	0		Hail (1.75)
Lincoln County								
25 S Limon	20	1810MST			0	0		Hail (1.00)
Adams County								
.5 E Brighton	20	1816MST			0	0	0	Tornado (F0)
A small tornado touched down but did no damage.								
Weld County								
6 SE Ft Lupton	20	1820MST			0	0		Hail (2.00)
Adams County								
8 E Brighton	20	1825MST			0	0	0	Tornado (F0)
A small tornado touched down but did no damage.								
Denver County								
Denver Intl Arpt	20	1833MST			0	0	10M	Hail (2.00)
Large hail punched at least 14,000 holes and cracks in the flat roofs of several buildings at Denver International Airport. In addition, 93 planes and hundreds of cars were damaged. Approximately 100 flights were canceled, stranding 1500 travelers. The airport was completely shut down for approximately 20 minutes. The storm also damaged a radar used to monitor planes on the ground to avoid runway collisions. No estimate for the damage done to the 93 airliners was released.								
Adams County								
Watkins	20	1845MST			0	0		Thunderstorm Wind (G52)
Strong winds caused a truck to rollover along Interstate 70, just east of Watkins. No injuries were reported.								
Adams County								
Bennett	20	1850MST			0	0		Hail (0.75)
Arapahoe County								
13 SW Byers	20	1905MST			0	0		Hail (0.75)
Elbert County								
9 N Kiowa	20	1910MST			0	0		Tornado (F0)
		1915MST						
A tornado touched down briefly. Bark was ripped off trees and several large limbs were snapped off. An alfalfa field was also damaged. The combination of strong winds and hail caused extensive damage to the siding of a nearby house. One of the windows was also broken.								
Adams County								
Watkins	20	1929MST			0	5	49M	Hail (2.50)
Large hail, damaging winds and very heavy rain pummeled a mobile home park in Watkins. In the park, 52 mobile homes, 14 recreational vehicles, 3 homes and a commercial building were damaged. Siding was riddled with holes and windows were broken. Vehicles sustained extensive body damage and the car windows were shattered. A handful of people were treated for minor cuts and bruises. Strong winds also flipped a tractor trailer along Interstate 70 near Watkins.								
At least 30 private planes at Front Range Airport were totalled. The radome protecting the National Weather Service doppler radar, which was tracking the storm, also sustained damage. The storm caused power outages which affected about 1,200 residents. Excluding the damage done at Denver International Airport, damage estimates totalled \$49 million, making it the costliest storm in the last 3 years, and 10th costliest since 1984.								
Elbert County								
8 NE Kiowa	20	1932MST			0	0		Hail (1.75)
Elbert County								
6.5 NE Kiowa	20	1935MST			0	0		Hail (2.50)
Elbert County								
14 E Elbert	20	1939MST			0	0		Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>COLORADO, Central and Northeast</u>								
Elbert County								
14 E Elbert	20	1939MST			0	0		Thunderstorm Wind (G52)
		A barn sustained wind damage.						
Phillips County								
4 W Amherst	23	1440MST 1510MST			0	0		Hail (1.75)
Elbert County								
9 S Simla	23	1455MST			0	0		Thunderstorm Wind (G70)
		Intense thunderstorm winds blew the roof off a shed.						
Arapahoe County								
Littleton	23	1500MST			0	0		Hail (1.25)
Sedgwick County								
16 S Julesburg	23	1514MST			0	0		Hail (1.75)
Arapahoe County								
Littleton	23	1515MST			0	0		Hail (1.50)
Arapahoe County								
1 E Sheridan	23	1515MST			0	0		Hail (1.25)
Phillips County								
Amherst	23	1516MST			0	0		Hail (1.75)
Phillips County								
5 NW Amherst	23	1545MST			0	0		Hail (2.25)
Jefferson County								
Broomfield	25	1530MST			0	5		Lightning
		Four golfers and one construction worker received minor injuries from a nearby lightning strike at the Broadlands Golf Course.						
Logan County								
10 SW Peetz	29	1417MST			0	0	0	Tornado (F0)
		A small tornado touched down but did no damage.						
Logan County								
2 W Padroni	29	1433MST			0	0	0	Tornado (F0)
		A small tornado touched down but did no damage.						
Logan County								
Peetz	29	1745MST			0	0		Hail (0.75)
<u>COLORADO, East Central</u>								
Cheyenne County								
9 NNE Kit Carson	07	1420MST			0	0		Hail (1.75)
Cheyenne County								
8 NNE Kit Carson	07	1440MST			0	0		Hail (1.50)
Cheyenne County								
8 NNE Kit Carson	07	1457MST			0	0		Hail (1.00)
Kit Carson County								
Flagler	07	1520MST			0	0		Hail (1.00)
Kit Carson County								
Flagler	07	1542MST			0	0		Hail (0.75)
Kit Carson County								
7 NE Flagler	07	1555MST			0	0		Hail (0.75)
Yuma County								
5.5 SE Abarr	07	1715MST			0	0		Hail (1.00)
Yuma County								
5 S Beecher Is	07	1805MST			0	0		Hail (1.00)
Yuma County								
5 S Beecher Is	07	1810MST			0	0		Hail (0.75)
Yuma County								
10 N Wray	07	1847MST			0	0		Hail (1.75)
Cheyenne County								
14 NE Cheyenne Wells	09	1817MST			0	0		Thunderstorm Wind (G70)
Cheyenne County								
4 NNW Arapahoe	09	1830MST			0	0		Thunderstorm Wind (G52)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>COLORADO, East Central</u>							
Yuma County							
2 W Hale Bonny Dam	12	1740MST			0	0	Thunderstorm Wind (G52)
Hale		1749MST					
The strong winds ripped down 5 power poles near bait shop along Highway 385.							
Yuma County							
15 E Idalia	12	1754MST			0	0	Thunderstorm Wind (G52)
The strong winds blew down 3 inch diameter tree limbs and knocked over a sprinkler system.							
Cheyenne County							
11 NNW Wild Horse	13	1720MST			0	0	Hail (0.75)
Kit Carson County							
16 SSW Flagler	13	1720MST			0	0	Thunderstorm Wind (G54) M
Cheyenne County							
Cheyenne Wells to Arapahoe	25	1730MST 1930MST			0	0	Flash Flood
Water reported running across roads and ditches overflowed in eastern part of county. In addition, basement flooded and water floated septic tank just north of Cheyenne Wells. Water receded after approximately 2 hours.							
Cheyenne County							
10 S Arapahoe	25	1805MST			0	0	Hail (0.75)
Cheyenne County							
10 SE Cheyenne Wells	25	1805MST			0	0	Hail (1.75)
Cheyenne County							
8.5 SW Cheyenne Wells	25	1845MST			0	0	Hail (0.75)
Cheyenne County							
9 NE Cheyenne Wells to 9 NNE Cheyenne Wells	29	1717MST			0	0	Hail (1.00)
Quarter sized hail completely covered the ground.							
Cheyenne County							
9 NNE Cheyenne Wells	29	1725MST			0	0	Hail (1.00)
Kit Carson County							
6 SE Burlington	29	2100MST			0	0	Hail (0.75)
<u>COLORADO, South Central and Southeast</u>							
Otero County							
2 SE Rocky Ford	02	1637MST 1642MST			0	0	Hail (1.00)
El Paso County							
Fountain	04	1746MST 1751MST			0	0	Hail (1.25)
El Paso County							
Widefield	04	1750MST 1755MST			0	0	Hail (1.00)
El Paso County							
13 E Security	04	1820MST 1825MST			0	0	Hail (1.00)
El Paso County							
10 S Ellicott	04	1900MST 1905MST			0	0	Hail (1.25)
El Paso County							
13 S Truckton	04	1921MST 1926MST			0	0	Hail (2.25)
Crowley County							
19 NW Ordway	04	2320MST 2324MST			0	0	Hail (1.00)
Prowers County							
1 E Wiley	07	1236MST 1241MST			0	0	Hail (1.50)
Bent County							
4 NE Mc Clave	07	1247MST 1252MST			0	0	Hail (1.00)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed		Estimated Damage Property	Crops	Character of Storm
COLORADO, South Central and Southeast									
Bent County									
5 NE Mc Clave	07	1258MST 1303MST			0	0			Hail (1.75)
El Paso County									
10 N Colorado Spgs	07	1500MST 1505MST			0	0			Hail (0.75)
Teller County									
Divide	07	1500MST 1505MST			0	0			Hail (1.00)
Bent County									
Las Animas	07	1510MST 1515MST			0	0			Hail (1.75)
Teller County									
Woodland Park	07	1521MST 1526MST			0	0			Hail (0.75)
Bent County									
Ft Lyon	07	1529MST 1700MST			0	0			Flash Flood
Bent County									
Ft Lyon	07	1530MST 1615MST			0	0	6M	3M	Hail (3.00)
A slow moving very severe thunderstorm brought very heavy rain, causing flooding, and hail around baseball size to the Ft. Lyon area for nearly an hour. Highway 50 was under water for over an hour near Ft. Lyon. Many residences experienced basement flooding. The large hail broken out windows and destroyed roofs on houses. Many vehicles also sustained major damage. The VA Medical Center's tile roof was completely destroyed, along with many windows. The grounds also sustained major damage. In addition, crops were totally destroyed in the area. Damage estimates were still preliminary at the time of submission.									
Bent County									
4 E Las Animas	07	1533MST 1535MST			0	0			Tornado (F0)
A tornado occurred over open country for a brief time and caused no known damage.									
El Paso County									
Black Forest	07	1535MST 1540MST			0	0			Hail (0.75)
Custer County									
9 W Wetmore	07	1620MST 1625MST			0	0			Hail (0.75)
Baca County									
8 NW Pritchett	07	1710MST 1715MST			0	0			Hail (1.00)
Saguache County									
Center	09	1430MST 1435MST			0	0			Hail (0.75)
Prowers County									
Lamar	09	1754MST			0	0			Thunderstorm Wind (G53) M
Las Animas County									
Hoehne	19	1816MST 1821MST			0	0			Hail (1.75)
Huerfano County									
14 NE Walsenburg	20	1439MST 1444MST			0	0			Hail (1.00)
Las Animas County									
22 NW Thatcher	20	1440MST 1445MST			0	0			Hail (1.00)
El Paso County									
3 NW Ellicott	20	1610MST 1615MST			0	0			Hail (1.00)
Pueblo County									
Beulah	20	1834MST 1839MST			0	0	1M		Hail (2.50)

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>COLORADO, South Central and Southeast</u>									
Pueblo County									
Colorado City	20	1840MST 1845MST			0	0	2M	Hail (1.50)	
A severe thunderstorm produced very large hail from the Beulah area to the Colorado City area. Damage was done to vehicles and buildings, including a bank in Colorado City. Its roof collapsed from the weight of hail and rain which collected on the flat roof.									
Huerfano County									
15 N Walsenburg	20	1901MST 1906MST			0	0		Hail (1.00)	
El Paso County									
6 N Calhan to Calhan	20	2018MST 2035MST			0	0	2M	Hail (4.00)	
A very severe thunderstorm dumped giant hail from the Elbert-El Paso county line into Calhan. The hail swath was around 2 miles wide. Damage estimates were still preliminary at the time of submission.									
El Paso County									
5 W Ramah	20	2018MST 2023MST			0	0		Hail (1.50)	
Fremont County									
1 NW Penrose	20	2050MST 2055MST			0	0		Hail (0.88)	
El Paso County									
6 N Yoder	20	2058MST 2103MST			0	0		Hail (1.00)	
El Paso County									
7 NE Colorado Spgs	20	2120MST 2125MST			0	0		Hail (1.00)	
El Paso County									
Black Forest	20	2129MST 2134MST			0	0		Hail (1.00)	
Pueblo County									
Colorado City	20 21	2355MST 0001MST			0	0		Hail (0.75)	
Huerfano County									
19 N Walsenburg	21	0014MST 0019MST			0	0		Hail (1.00)	
Pueblo County									
3 S Colorado City	21	0014MST 0019MST			0	0		Hail (1.00)	
Las Animas County									
3 S Las Animas Co Arj	21	1709MST 1714MST			0	0		Hail (0.75)	
Las Animas County									
Trinchera	21	1751MST 1756MST			0	0		Hail (0.75)	
El Paso County									
(Aff)Usaf Acdmy Colo	22	1707MST			0	0		Thunderstorm Wind (G55)	M
Prowers County									
4 N Granada	25	1715MST			0	0		Thunderstorm Wind (G52)	
Prowers County									
1 W Bristol	25	1726MST 1731MST			0	0		Hail (1.00)	
<u>COLORADO, West</u>									
Rio Blanco County									
Meeker	01 08	0000MST 2000MST			0	0		Wild/Forest Fire	
Lightning ignited a wildfire near Meeker, Colorado on May 30, 2001. The fire threatened several homes in the Sage Hill neighborhood as it consumed 110 acres of small trees and brush. No structures were lost as a result of fire fighting efforts.									
COZ002>003-007 Central Yampa River Basin - Roan And Tavaputs Plateaus - Debeque To Silt Corridor									
	02	1330MST 2000MST			0	0		High Wind (G58)	M
Strong gradient winds from 50 to 60 mph affected portions of northwest and west central Colorado. The strongest wind gust recorded									

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
COLORADO, West								
Montezuma County								
3 SE Mancos	08 12	1600MST 2000MST			0 0			Wild/Forest Fire
								A lightning sparked wildfire located on the east slope of Menefee Mountain burned 80 acres of ponderosa pine, pinon juniper and oak brush.
COZ010-012>013-018>019								Gore And Elk Mountains/Central Mountain Valleys - West Elk And Sawatch Mountains - Flattop Mountains - Northwestern San Juan Mountains - Southwestern San Juan Mountains
	13 14	1200MST 0600MST			0 0			Winter Storm
								An unseasonably cold spring storm dropped 4 to 8 inches of heavy, wet snow over the central and southern mountains of western Colorado.
COZ021								Four Corners / Upper Dolores River Basin
	14	0100MST 0900MST			0 0		250K	Extreme Cold
								An unseasonably cold high pressure system settled over the Great Basin bringing a hard freeze to portions of southwest Colorado. Temperatures dropped to between 25 and 30 degrees for several hours and resulted in widespread damage to pinto bean and tomato crops in the vicinity of Cortez, Colorado.
Routt County								
6 S Steamboat Spgs	29 30	1400MST 1800MST			0 0			Wild/Forest Fire
								Lightning sparked a wildfire which threatened several homes and consumed over 2 acres of aspen and lodgepole pine trees in the Walton Creek Drainage area. No structures were lost as a result of fire fighting efforts.
CONNECTICUT, Northeast								
Hartford County								
Simsbury	11	1856EST 1859EST			0 0			Hail (0.88)
Hartford County								
Hartford	11	1900EST			0 0	20K		Lightning
								Severe thunderstorms produced nickel-sized hail in Simsbury. Lightning struck the roof of a three-story house in Hartford, sparking a fire, and other lightning strikes caused more than 18,000 electric customers to lose power.
Windham County								
Hampton	17	1454EST 1605EST			0 0			Flash Flood
								Torrential rainfall associated with the remnants of Tropical Storm Allison caused a private dam in Hampton to fail, which closed a portion of Route 97. Rainfall totals of 3 to 6 inches were common in Windham County, with as much as 7.20 inches in Pomfret.
Hartford County								
Granby	20	1745EST			0 0			Thunderstorm Wind (G50)
Hartford County								
Windsor	20	1826EST			0 0			Hail (0.75)
Hartford County								
Manchester	20	1848EST			0 0			Hail (0.75)
Tolland County								
Tolland	20	1858EST			0 0			Hail (0.75)
Hartford County								
Berlin	20	1900EST			0 0	10K		Lightning
								Severe thunderstorms downed trees in Granby, and dropped dime sized hail in Windsor, Manchester, and Tolland. Lightning struck a house in Berlin, which set the roof on fire. No injuries were reported.
Hartford County								
East Hartland	23	1418EST			0 0	20K		Tornado (F0)
								Brief F0 touchdown
								An isolated severe thunderstorm, which had a history of producing two tornadoes in northwest Connecticut, also produced a brief F0 tornado as it clipped the extreme northwest portion of Hartford County. The touchdown occurred in East Hartland, where a ground survey indicated a path length of about one-third of a mile and a width of 80 yards. Wind speeds were estimated to have been near 70 mph.
								The fire department in East Hartland reported 8 to 9 inch diameter limbs blown down along Route 179. An antenna was blown off the off of the fire station, and two windows were blown out of the fire house door. A flag pole was picked up and landed in a tree. One eyewitness saw wooden stakes lifted out of a truck, which were swirling in the air. Another person saw large branches rotating in mid air. No injuries were reported.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
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CONNECTICUT, Northwest

Litchfield County

New Preston	17	0830EST 1400EST			0	0	10K	Flood
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Litchfield County

New Milford	17	0945EST 1300EST			0	0	12K	Flood
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Litchfield County

Bethlehem	17	1000EST 1400EST			0	0	55K	Flood
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Litchfield County

New Hartford	17	1000EST			0	0	25K	Flood
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Litchfield County

Woodbury	17	1040EST 1415EST			0	0	10K	Flood
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The remnants of tropical storm Allison joined forces with a slow moving cold front from the west, to produce torrential rainfall over much of Litchfield County on June 17. Between 2 and 6 inches of rain fell in a short time over the central and southeastern portions of the county, with the maximum amounts located near the East Aspetuck River Basin. The East Aspetuck River came out of its banks from New Preston south through the towns of Northville and New Milford. In New Milford, the river came up to the same level as a bridge on Welles Road. Some roads were flooded there as well. A large sinkhole developed in New Hartford due to the excessive rainfall. Roads washed out in the town of Bethlehem. In Woodbury, numerous small streams overflowed and roads flooded.

Litchfield County

Washington	23	1300EST 1303EST			0	1	150K	Tornado (F1)
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Litchfield County

Torrington	23	1350EST			0	0	250K	Tornado (F2)
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A warm front, moving into Connecticut, produced a line of showers and isolated thunderstorms during the early afternoon of June 23. One cell developed into a supercell which then spawned two tornados in Litchfield County. The first tornado touched down in the northern end of the town of Washington, on a golf course near Lake Waramaug, cutting a path 50 yards wide and a mile in length. It hit during a lull of a golf tournament that was going on there, damaging the fourth hole of the course as well as destroying a metal fence around a tennis court. This tornado also demolished a storage building. This was ranked as an F1 Tornado, with winds estimated between 75 and 100 mph, by National Weather Service Personnel. The tornado also took out many trees around this area. The tornado lifted back up, but then reformed from the cell as the storm moved into the cities of Torrington and Winstead. This second tornado was ranked on the Fujita scale as an F2 with winds estimated between 100 and 130 mph. It touched down near the Torrington Middle School, over the Midget Football Field cutting a swath two hundred yards wide and a half a mile in length. The tornado destroyed an 8,000 dollar shed that had recently been completed by the Midget Football League. The second twister also demolished the bleachers and part of a roof at the Torrington Middle school. In addition, hundreds of large trees were uprooted. Powerlines were also destroyed. One person was injured when a portion of the blown off roof fell on him, resulting in bone fractures.

Litchfield County

Salisbury	30	2015EST			0	0	75K	Thunderstorm Wind
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A lone thunderstorm produced a microburst as it moved over the Taconic section of Salisbury, in Litchfield County during the evening of June 30. This microburst hit a portion of South Shore Road, along Lake Washinee. The microburst covered an area less than a mile in diameter. Winds from the storm actually pushed a house a foot off its foundation causing considerable structural damage and forcing the family to evacuate. In addition, the roof over the adjacent deck collapsed, destroying the porch. Also, many large pine trees fell, one of which crushed a new car. There had been a party at the house, with 55 guests. Luckily, none of them was injured.

CONNECTICUT, Southern

New Haven County

Naugatuck	11	1937EST			0	0		Thunderstorm Wind (G50)
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Middlesex County

Middletown	11	2200EST			0	0		Lightning
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Middlesex County

Middletown	11	2200EST			0	0		Thunderstorm Wind (G50)
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New London County

Norwich	11	2230EST			0	0		Thunderstorm Wind (G50)
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During Monday evening, June 11th, a surface trough moved east across southern New England, propelled by a potent disturbance in the middle and upper levels of the atmosphere. This triggered clusters of strong to locally severe thunderstorms across portions of southern Connecticut Monday evening into the early morning hours of Tuesday June 12th. Damaging winds downed trees and power lines across portions of southern Connecticut, and heavy rains caused areas of flooding on roadways and in low-lying areas.

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

CONNECTICUT, Southern

In addition, numerous cloud to ground lightning strikes accompanied these storms, causing numerous power outages across southern Connecticut, particularly from Norwich to New London. In Middlesex County, lightning struck the chimney of a home on Harvard Court in Middletown, and tore a hole in the roof. Cost estimates of the property damage were unknown.

Fairfield County

Danbury

17	0430EST 1230EST	0	0	Flash Flood
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New Haven County

Countywide

17	0500EST 1600EST	0	0	Urban/Sml Stream Fld
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Middlesex County

Countywide

17	0800EST 1600EST	0	0	Urban/Sml Stream Fld
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CTZ012

Southern New London

17	1407EST	0	0	Flood
18	0140EST			

New London County

Countywide

17	1407EST 1600EST	0	0	Flash Flood
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On Sunday, June 17th, abundant moisture from the remnants of tropical storm Allison, combined with a cold front approaching from the west, produced extremely heavy rainfall across much of southern Connecticut during the early morning hours. Rainfall rates of up to 2 inches per hour produced widespread street and highway flooding, in addition to some flash flooding of small streams. Some rivers approached or even slightly exceeded flood stage during this heavy rain event.

Heavy rainfall first affected portions of Fairfield County during the early morning hours, between 5 AM and 10 AM EDT. The area of heavy rain then slowly shifted east, across New Haven and Middlesex Counties from late morning during the early afternoon, and finally across New London County during the mid to late afternoon hours.

In Fairfield County, heavy rainfall produced flooding of roadways and highways, and led to some scattered road closures.

In New London County, spotters indicated areas of small stream and small creek flooding, in addition to road flooding. The Yantic River at Yantic reached its' flood stage of 9.0 feet at 3:07 PM EDT, crested at 11.1 feet at 7 PM EDT, and then dropped below flood stage at 2:40 AM EDT on June 18th.

Here are some rainfall amounts for this event:

In Fairfield County: From 2.29 inches at Bridgeport, to 5.22 inches at Round Pond.

In New Haven County: From 2.60 inches at West Haven, to 3.87 inches at North Branford.

In New London County: From 3.25 inches at Jewett City, to 4.75 inches at Groton.

Fairfield County

Newtown

20	1820EST	0	0	Thunderstorm Wind (G52)
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With a warm humid unstable air mass in place, a line of scattered severe thunderstorms developed ahead of a cold front that moved slowly southeast. As severe thunderstorms moved east at around 30 mph, they produced high winds that downed trees and power lines in Newtown.

Fairfield County

Newtown

30	1747EST	0	0	Thunderstorm Wind (G50)
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New Haven County

Seymour to Ansonia

30	1820EST 1825EST	0	0	Thunderstorm Wind (G52)
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Fairfield County

Shelton

30	1825EST	0	0	Thunderstorm Wind (G50)
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As a weak trough of low pressure approached the region, scattered severe thunderstorms developed. As they moved east, severe thunderstorms produced high winds that downed numerous tree limbs and whole trees in Newton, Seymour, Shelton, and Ansonia. Power lines were downed in Newton, and several houses were struck by lightning in Shelton.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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DELAWARE

New Castle County

Yorklyn to 11 2130EST 0 0 Thunderstorm Wind (G50)
Wilmington

New Castle County

Wilmington 11 2135EST 0 0 0 Hail (0.88)

A severe thunderstorm knocked a few trees and several power lines across northern New Castle County. Dime to nickel size hail also fell in Wilmington. About 15,000 homes and businesses lost power.

New Castle County

North Portion 16 1630EST 0 0 Flood
17 0100EST

Showers and thunderstorms associated with the remnants of Tropical Storm Allison dropped heavy rain across New Castle County from the mid afternoon through the early evening of the 16th. The heavy rain caused flooding on some of the smaller streams in the county as well as some urban and poor drainage flooding. As the low moved east of the New Jersey coast during the morning of the 17th, heavy rain fell again for a couple of hours near dawn. While heavy rain also fell across the southern half of the state, no serious stream flooding was reported. Storm totals averaged between 2 and 4 inches and included 4.20 inches in Greenwood (Sussex County), 3.94 inches at the Dover AFB (Kent County), 3.60 inches in Milford (Kent County), 3.58 inches at the New Castle County Airport, 3.20 inches in Bridgeville (Sussex County), 2.94 inches in Wilmington (New Castle County), 2.30 inches in Newark (New Castle County) and 2.14 inches at the Wilmington Porter Reservoir (New Castle County).

Sussex County

Ellendale 21 1555EST 0 0 Thunderstorm Wind (G50)

A severe thunderstorm knocked down a couple of trees in and around Ellendale.

Sussex County

Ellendale 21 1600EST 0 0 Flash Flood
1900EST

The same thunderstorm that initially brought wind damage to the Ellendale area moved so slowly that it dropped torrential rains to the region. Doppler Radar storm total estimates reached between 6 and 7 inches. The torrential downpours caused stream flooding, but no serious injuries were reported.

DISTRICT OF COLUMBIA

DCZ001 District Of Columbia

12 1200EST 0 0 Excessive Heat
13 1800EST

High pressure in combination with southerly winds brought hot, hazy, and humid conditions to the Mid Atlantic Region between June 12th and 13th. High temperatures soared to around 90 degrees and heat indices reached near 100 degrees through the period.

District Of Columbia

Countywide 15 1300EST 0 0 Heavy Rain
16 2100EST

The remnants of Tropical Storm Allison brought periods of heavy rainfall to the District between the afternoon of the 15th and the evening of the 16th. A total of 2.59 inches of rain fell in Georgetown. Three other spotters nearby reported between 2.00 and 2.25 inches.

District Of Columbia

Countywide 22 2250EST 0 0 Flash Flood
2359EST

Rock Creek overflowed near East-West Highway.

An area of showers and thunderstorms with very heavy downpours moved across the District during the late evening hours of the 22nd. The deluge of rain caused Rock Creek to overflow its banks near East-West Highway.

DCZ001

District Of Columbia

27 1200EST 0 0 Excessive Heat
30 1800EST

High pressure in combination with southerly winds brought hot, hazy, and humid conditions to the region between June 27th and 30th. High temperatures soared into the lower 90s and heat indices reached into the lower 100s through the period.

FLORIDA, East Central

Indian River County

2 S Sebastian 03 1635EST 0 0 Hail (0.88)

Orange County

Ocoee 03 1745EST 0 0 40K 0 Thunderstorm Wind (G50)

Thunderstorm winds blew down numerous trees and power lines in the Ocoee area. Two homes were damaged by falling trees.

Orange County

Winter Garden 03 1800EST 0 0 20K 0 Thunderstorm Wind (G50)

Thunderstorm winds blew down power lines and numerous trees damaging a mobile in Winter Garden.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
FLORIDA, East Central								
Orange County								
Union Park	03	1815EST			0	0		Funnel Cloud
	A funnel cloud was reported by the public over Union Park.							
Seminole County								
Casselberry	03	1824EST			0	0	20K	Thunderstorm Wind (G50)
	Thunderstorm winds blew down numerous trees in the Casselberry area damaging a fast food store.							
Orange County								
1 E Orlando	03	1827EST			0	0	50K	Thunderstorm Wind (G60)
	Thunderstorm wind produced widespread wind damage over Orange County. Trees were blown down in Orlando. The roof was damaged on a day care center in Winter Park.							
Volusia County								
Deltona	03	1850EST			0	0	0	Thunderstorm Wind (G50)
	Thunderstorm winds blew down a few trees in the Deltona area.							
Seminole County								
Sanford	03	1855EST			0	0	0	Thunderstorm Wind (G60)
	Thunderstorm wind blew down trees over much of Sanford and the Maitland areas.							
Osceola County								
15 N Deer Park to 16 N Deer Park	03	1715EST 1720EST			0	0	0	Tornado (F0)
	An F0 tornado touched down briefly in a rural area of the extreme northeast corner of Osceola County near State Road 532. The tornado was documented by storm chasers as it moved into southeast Orange County. No damage was reported.							
Orange County								
15 SE Christmas	03	1720EST 1722EST			0	0	0	Tornado (F0)
	An F0 tornado move north out of Osceola County into the extreme southeast corner of Orange County near State Road 532. The tornado dissipate quickly north of the Osceola Orange county line.							
St. Lucie County								
14 W Ft Pierce	04	1500EST			0	0		Funnel Cloud
	There were numerous public reports of a funnel cloud in the rural area west of Ft. Pierce.							
Brevard County								
Cocoa to Rockledge	09	2020EST			0	0	0	Thunderstorm Wind (G60)
	Thunderstorm winds blew down a few trees in the Cocoa and Rockledge area.							
Brevard County								
Cape Canaveral	10	1635EST			0	0	0	Thunderstorm Wind (G65)
	Cape Canaveral AFS measured a thunderstorm wind gust of 70 knots at the 54 foot level. A few trees were blown down in the city of Cape Canaveral.							
Brevard County								
Cape Canaveral to Cocoa	10	1730EST			0	0	0	Thunderstorm Wind (G50)
	Wind gusts were estimated near 60 mph at Port Canaveral. Numerous large limbs were blown off of trees at Cape Canaveral and Cocoa.							
Volusia County								
Ormond Beach	11	1547EST			0	0	0	Hail (0.75)
Volusia County								
5 NW New Smyrna Be	11	1615EST			0	0	0	Hail (0.75)
	Thunderstorm winds blew down a large tree in New Smyrna Beach. Dime size hail was also reported.							
Volusia County								
Ponce Park	11	1635EST			0	0	0	Hail (0.75)
Brevard County								
Titusville	11	1710EST			0	0	0	Hail (0.88)
Brevard County								
Cape Canavral Mist S	11	1750EST			0	0	0	Thunderstorm Wind (G70)
	A wind tower at Cape Canaveral AFS recorded a gust to 75 KTS at the 54 foot level.							
Brevard County								
Palm Bay	11	1810EST			0	0	0	Hail (0.75)
Orange County								
Union Park	13	2000EST			0	0	0	Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
FLORIDA, East Central								
Lake County								
Clermont	14	1245EST			0	0	0	Hail (1.50)
Lake County								
Umatilla	14	1245EST			0	0	0	Hail (1.75)
Orange County								
Windermere	14	1330EST			0	0	10K	Thunderstorm Wind (G50)
Thunderstorm winds blew trees down damaging cars in the Windermere area. Winds were reported near 60 mph in downtown Orlando.								
Lake County								
Altoona	14	1335EST			0	0	0	Hail (1.00)
Orange County								
Winter Park	14	1356EST			0	0	0	Hail (1.00)
Seminole County								
Oviedo	14	1400EST			0	0	0	Thunderstorm Wind (G50)
Thunderstorm winds blew down trees in many areas around Oviedo and Seminole County.								
Volusia County								
De Leon Spgs	14	1415EST			0	0	0	Thunderstorm Wind (G50)
Thunderstorm winds blew down trees and power lines in the De Leon Springs area.								
Brevard County								
Titusville	14	1440EST			0	0	0	Hail (0.75)
Brevard County								
Cape Canaveral Misl S	14	1515EST			0	0	0	Hail (1.00)
Brevard County								
Cape Canaveral Misl S	14	1515EST			0	0	0	Thunderstorm Wind (G55)
A wind tower at Cape Canaveral AFS recorded a gust to 60 KTS.								
Volusia County								
New Smyrna Beach	14	1515EST			0	0	0	Hail (0.75)
Brevard County								
Merritt Is	14	1535EST			0	0	0	Hail (0.88)
Brevard County								
Melbourne	14	1645EST			0	0	0	Hail (0.75)
Brevard County								
Melbourne	14	1645EST			0	0	0	Thunderstorm Wind (G50)
Thunderstorm winds blew down a few trees in Melbourne.								
Brevard County								
Melbourne	14	1700EST			0	0	0	Thunderstorm Wind (G50)
Thunderstorm winds blew down a few large trees in Melbourne.								
Volusia County								
3 N Ponce Park	15	1325EST			0	0	0	Hail (1.00)
Lake County								
Astor	15	1350EST			0	0	5K	Thunderstorm Wind (G60)
Thunderstorm winds blew down trees in the Astor area damaging some cars.								
Volusia County								
2 W Edgewater	15	1353EST			0	0	0	Hail (0.75)
Brevard County								
Scottsmeer	15	1403EST			0	0	0	Hail (0.75)
Osceola County								
8 W Kissimmee	15	1415EST			0	0	0	Hail (0.75)
Brevard County								
Cape Canaveral Misl S	15	1448EST			0	0	0	Funnel Cloud
A funnel cloud was reported at Kennedy Space Center.								
Brevard County								
Merritt Is	15	1525EST			0	0	0	Hail (0.75)
Brevard County								
Cocoa	15	1540EST			0	0	25K	Thunderstorm Wind (G70)
Thunderstorm downburst winds blew down trees and power lines that damaged a car in Cocoa. Winds also damaged the car barrier at the Port Canaveral draw bridge. An air conditioner unit was damaged on the roof of Parish Medical Center in Cape Canaveral.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
FLORIDA, East Central								
Brevard County								
Titusville	15	1540EST			0	0	1K	0 Thunderstorm Wind (G50)
Thunderstorm winds blew down power lines and trees that damaged a car in Titusville.								
Osceola County								
Kissimmee	15	1635EST			0	0	0	0 Hail (0.75)
Orange County								
Orlando to Plymouth	15	1644EST			0	0	0	0 Hail (0.88)
Okeechobee County								
Ft Drum to Okeechobee	15	1905EST			0	0	0	0 Hail (1.75)
Volusia County								
Daytona Beach	16	1915EST			0	0	15K	0 Thunderstorm Wind (G70)
Thunderstorm winds blew a 50 foot section off the roof of a restaurant in Daytona Beach.								
Brevard County								
Titusville	16	2050EST			0	0	0	0 Hail (0.75)
Lake County								
Paisley to Emerald	17	1445EST			0	0	0	0 Thunderstorm Wind (G50)
Thunderstorm winds swept across northern Lake County blowing down a few trees near Paisley and Emerald.								
Volusia County								
Enterprise	17	1541EST			0	0	0	0 Thunderstorm Wind (G50)
Thunderstorm winds blew down a few trees in Enterprise.								
Osceola County								
St Cloud	17	1655EST			0	0	0	0 Hail (1.25)
Seminole County								
Altamonte Spgs	17	1655EST			0	0	0	0 Hail (1.75)
Seminole County								
Longwood	17	1655EST			0	0	4K	0 Thunderstorm Wind (G60)
Thunderstorm winds blew down trees, power lines and power poles in the Longwood area.								
Orange County								
Orlando	17	1718EST			0	0	3K	0 Thunderstorm Wind (G60)
Thunderstorm winds blew down power lines and poles in Orlando.								
Orange County								
Orlando	17	1725EST			0	0	0	0 Hail (0.75)
Osceola County								
Kissimmee	17	1735EST			0	0		Hail (0.75)
Seminole County								
Oviedo	18	1655EST			0	0	1K	0 Thunderstorm Wind (G50)
Thunderstorm winds blew the shingles off a building in Oviedo.								
Lake County								
Altoona	18	1820EST			0	0	1K	0 Thunderstorm Wind (G50)
Thunderstorm winds damaged a barn door in Altoona. Winds were reported at 55 mph.								
Osceola County								
St Cloud	19	1330EST			0	0	0	0 Hail (0.88)
Lake County								
Fruitland Park	21	1530EST			0	5		Lightning
Five teenage boys were injured as they passed by a large tree that was struck by lightning. All five were knocked to the ground and were transported by ambulance to a local hospital. One boy received a serious cut on his neck from flying chips of wood when the tree was struck. The other four received minor injuries.								
Brevard County								
Palm Bay	22	1335EST			0	0	0	0 Hail (1.75)
Brevard County								
Patrick Afb	22	1410EST			0	0	0	0 Thunderstorm Wind (G55) ^M
Patrick Air Force Base recorded a thunderstorm wind gust to 55 knots (63 mph).								
Brevard County								
1 W Cape Canaveral Mi	24	1330EST			0	0	0	0 Tornado (F0)
An F0 tornado touched down briefly in an undeveloped area west of the Space Shuttle launch facility. No damage was reported.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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FLORIDA, East Central

Brevard County

Cape Canaveral Misl S **24** **1330EST** **0** **0** **0** **0** **Thunderstorm Wind (G51)** ^M

A thunderstorm wind gust of 51 knots was recorded at Kennedy Space Center.

Indian River County

Sebastian **24** **1345EST** **0** **0** **200K** **Tornado (F1)**

An F1 tornado touched down in the western part of Sebastian and moved southeast along a 2 mile path through the town. It blew down numerous trees, damaged roofs, destroyed pool screens, and sheds. The garage door was blown in and one fourth of the roof was blown off of one house.

FLORIDA, Extreme Southern

Monroe County

Marathon Flight Stri **02** **1811EST**
1917EST **0** **0** **Waterspout**

Waterspout located 1.5 miles offshore on bay side at mile marker 53.

Monroe County

(Eyw)Key West Inl Ar **14** **0707EST**
0716EST **0** **0** **Waterspout**

Waterspout reported 5 miles SSE of Key West Airport.

Monroe County

Big Pine Key **14** **1650EST**
1652EST **0** **0** **Waterspout**

Waterspout reported 4 miles NW of Big Pine Key.

Monroe County

Ramrod Key **14** **1655EST**
1700EST **0** **0** **Waterspout**

Two waterspouts reported 3 miles NW of Sugarloaf Key.

Monroe County

Big Pine Key **16** **0657EST**
0715EST **0** **0** **Waterspout**

Waterspout reported 1 mile S of Big Pine Key.

Monroe County

Big Coppit Is **16** **1600EST**
1612EST **0** **0** **Waterspout**

Waterspout reported 4 miles N of Baypoint.

Monroe County

Big Coppit Is **16** **1618EST**
1623EST **0** **0** **Waterspout**

Waterspout reported 4 miles N of Big Coppit Key.

Monroe County

(Eyw)Key West Inl Ar **16** **1624EST**
1630EST **0** **0** **Waterspout**

Waterspout reported 3 miles N of Key West Airport (reported by the Air Traffic Control Tower).

Monroe County

Big Coppit Is **17** **1055EST**
1115EST **0** **0** **Waterspout**

Waterspout reported 1 mile N of Big Coppit Key.

FLORIDA, Northeastern

Duval County

Countywide **02** **1300EST** **0** **0** **Lightning**

Caused several small brush fires.

Duval County

Jacksonville **04** **1300EST** **0** **1** **Lightning**

Man was hit by lightning in home as he walked by an electrical appliance. Home was located in the 3900 block of Star Leaf Road.

Duval County

Jacksonville **04** **1300EST** **0** **1** **Lightning**

Lightning struck house and hit a man inside. Home was located in the 1500 block of Sonoma Court.

Duval County

Jacksonville Beach **04** **1330EST** **0** **2** **Lightning**

Two men were hit by lightning while standing near a pickup truck when it was struck. The men were in the 1300 block of Palm Circle North.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
FLORIDA, Northeastern							
Duval County							
Jacksonville	03	1400EST			0	1	Lightning
		Man was hit while standing beside his vehicle.					
Putnam County							
Interlachen	04	1426EST			0	0	Hail (1.88)
Hamilton County							
Jasper	04	1450EST			0	0	Hail (0.75)
Alachua County							
Gainesville	04	1540EST			0	0	3K
		Large trees and power lines were blown down.					
Alachua County							
Gainesville	04	1620EST			0	0	Hail (0.75)
Duval County							
2 E Baldwin	04	1655EST			0	0	Hail (0.75)
Marion County							
Salt Spgs	04	1540EST			0	0	Hail (0.75)
Putnam County							
Bostwick	04	1545EST			0	0	Hail (0.75)
Alachua County							
Gainesville	04	1552EST			0	0	Funnel Cloud
Putnam County							
Countywide	05	1300EST			0	0	Lightning
		Caused three brush fires.					
Columbia County							
Lake City	05	1600EST			0	2	Lightning
Marion County							
.1 SW Moss Bluff to Moss Bluff	05	1632EST 1640EST			0	0	30K
		Weak FO. One home destroyed, and several businesses with roof damage.					
Clay County							
Camp Bldg	07	2026EST			0	5	Lightning
		Five people swimming in Kingsley Lake took shelter from a thunderstorm in a near by tent. The tent was struck by lightning.					
Duval County							
Arlington	08	2000EST 2300EST			0	0	75K
		Thirty-three apartments were flooded with up to 3 feet of water.					
Flagler County							
Codys Corner	10	1425EST			0	0	Hail (0.75)
Putnam County							
Crescent City	10	1438EST			0	0	Hail (0.75)
Clay County							
Orange Park	11	1410EST			0	0	2.5K
		Large trees and power lines were blown down.					
Duval County							
6 SW Jacksonville to 5.9 SW Jacksonville	11	1430EST 1435EST			1	0	35K
		Weak F0 tornado. A Jacksonville man was crushed to death in his living room. The home located in the 2300 block of Somerset Road received significant damage when sycamore tree smashed through the roof. Trees and power lines were blown down through out the area.					
		M32PH					
Duval County							
Arlington	11	1430EST			0	0	Hail (0.75)
Duval County							
Oceanway	11	1438EST			0	0	Hail (0.75)
Putnam County							
Palatka	11	1624EST			0	0	Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>FLORIDA, Northeastern</u>									
Union County									
.1 S Providence to Providence	11	2010EST 2015EST			0	0	4.5K	Tornado (F0)	
		Weak FO tornado. Large trees and power lines were blown down.							
Hamilton County									
Countywide	12	0205EST 0500EST			0	0		Flood	
Suwannee County									
Suwannee Spgs	12	0344EST			0	0	2.5K	Thunderstorm Wind	
		Large trees and power lines were blown down.							
Hamilton County									
White Spgs	12	0535EST			0	0	3.5K	Thunderstorm Wind	
		Large trees and power lines were blown down.							
Columbia County									
Benton	12	0547EST			0	0	4.5K	Thunderstorm Wind	
		Large trees and power lines were blown down.							
Duval County									
Jacksonville	12	0906EST			0	0		Funnel Cloud	
		Jacksonville International Airport.							
Duval County									
Arlington	12	1135EST			0	0	2.5K	Thunderstorm Wind	
		Large trees and power lines were blown down.							
Duval County									
Arlington	12	1135EST			0	0	2.5K	Thunderstorm Wind	
		Large trees and power lines were blown down.							
Duval County									
5 NW Garden City	12	1155EST			0	0		Hail (0.75)	
Clay County									
Green Cove Spgs	12	1200EST			0	0	2.5K	Thunderstorm Wind	
		Large trees and power lines were blown down.							
Marion County									
Lynne	14	1345EST			0	0	3.5K	Thunderstorm Wind	
		Large trees and power lines were blown down.							
Marion County									
Ft Mc Coy	14	1415EST			0	0		Hail (0.88)	
Putnam County									
Crescent City	14	1430EST			0	0	2.5K	Thunderstorm Wind	
		Large trees and power lines were blown down.							
St. Johns County									
St Augustine	14	1605EST			0	0		Hail (1.00)	
Duval County									
(Nip)Nas Jacksonville	14	1700EST			0	0		Thunderstorm Wind (G69)	M
Nassau County									
Callahan	14	1710EST			0	0	6K	Thunderstorm Wind	
		Large trees and power lines were blown down. Two cars damaged.							
Duval County									
Jacksonville	14	1730EST			0	0	10K	Thunderstorm Wind	
		Numerous reports of large trees and power lines were blown down.							
Marion County									
Ocala	14	1745EST			0	0	3.5K	Thunderstorm Wind	
		Large trees and power lines were blown down.							
St. Johns County									
Ponte Vedra Beach	14	1745EST			0	0	4K	Thunderstorm Wind	
		Large trees were blown down across Solano Road just West of A1A.							
Marion County									
Silver Spgs	15	1610EST			0	0	3K	Thunderstorm Wind	
		Large trees were blown down along HWY 40.							

Storm Data and Unusual Weather Phenomena

June 2001

								June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm	
<u>FLORIDA, Northeastern</u>								
Putnam County								
Crescent City	15	1631EST			0	0	3K	Thunderstorm Wind
Large trees and power lines were blown down.								
Hamilton County								
5 N White Spgs	16	1530EST			0	0	3.5K	Thunderstorm Wind
Large trees and power lines were blown down.								
Duval County								
Jacksonville Beach	16	1612EST			0	0		Thunderstorm Wind (G60)
Baker County								
10 SW Glen St Mary	16	1612EST			0	0	2.5K	Thunderstorm Wind
Large trees were blown down.								
Baker County								
Macclenny	16	1615EST			0	0	3K	Thunderstorm Wind
Large trees were uprooted on the North end of CR 121.								
Duval County								
Jacksonville Beach	16	1620EST			0	0	25K	Thunderstorm Wind
Large trees and power lines were blown down. A home deck and three vehicles were damaged.								
Nassau County								
Hilliard	16	1729EST			0	0	3.5K	Thunderstorm Wind
Large trees and power lines were blown down.								
Duval County								
Jacksonville	16	1730EST			0	0	5K	Thunderstorm Wind
Numerous reports of large trees and power lines blown down in Arlington, the Northside and the Southside.								
Flagler County								
Beverly Beach	16	1811EST			0	1	4K	Thunderstorm Wind
Large trees and power lines were blown down. A mobile home was damaged.								
Marion County								
Ft Mc Coy	17	1545EST			0	0		Hail (0.75)
Putnam County								
San Mateo	17	1654EST			0	0		Hail (0.88)
Marion County								
Ocala	18	1714EST			0	0		Hail (1.00)
Putnam County								
Palatka	18	1730EST			0	0		Hail (0.75)
Bradford County								
Lake Sampson	18	1750EST			0	0		Hail (0.88)
Clay County								
Orange Park	18	1755EST			0	0		Hail (0.75)
Marion County								
Ocala	18	1800EST			0	0	30K	Thunderstorm Wind
Roof blown off mobile home.								
St. Johns County								
Bakersville	19	1230EST			0	0		Lightning
Brush fire.								
Gilchrist County								
5 N Trenton	19	1535EST			0	0		Funnel Cloud
Marion County								
Bellevue	20	1640EST			0	0	3K	Thunderstorm Wind
Large trees were blown down.								
Alachua County								
Gainesville	20	1900EST			0	0	4.5K	Thunderstorm Wind
Numerous reports of large trees and power lines blown down.								
Marion County								
Ocala	21	1400EST			0	0	20K	Thunderstorm Wind
Home damaged.								
Alachua County								
Gainesville	21	1400EST			0	0		Hail (0.88)

Storm Data and Unusual Weather Phenomena

June 2001

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>FLORIDA, Northeastern</u>									
Marion County									
Ocala	21	1400EST			0	0		Lightning	
		Lightning damaged the Post Office							
Putnam County									
Hollister	21	1515EST			0	0		Hail (0.75)	
Duval County									
Oceanway	21	1615EST			0	0		Hail (0.75)	
Duval County									
Arlington	21	1645EST			0	0		Hail (0.88)	
Duval County									
Ft Caroline Shrs	21	1700EST			0	0	110K	Lightning	
		House destroyed.							
Flagler County									
St Johns Park	21	1617EST			0	0	25K	Thunderstorm Wind	
		Barn roof blown off.							
Duval County									
Jacksonville	21	1641EST			0	0		Thunderstorm Wind (G87)	M
		Craig Field.							
Nassau County									
2 W Yulee	21	1645EST			0	0		Hail (1.00)	
Duval County									
Jacksonville	21	1700EST			0	0	2.5K	Thunderstorm Wind	
		Large trees were blown down at the Rally Creek subdivision.							
Duval County									
Ft Caroline Shrs	21	1740EST			0	0	3.5K	Thunderstorm Wind	
		Large trees were blown down at St. Johns and Ft. Caroline Rd.							
Marion County									
Ocala	21	1750EST			0	0		Hail (0.75)	
Nassau County									
Fernandina Beach	24	1510EST			0	0	3.5K	Thunderstorm Wind	
		Large trees and power lines were blown down at South Fletcher and Sadler Rd.							
Marion County									
Ocala	26	1750EST			0	0		Flood	
		Street flooded at Pine Run, 103rd St.							
Baker County									
Macclenny	26	1800EST			0	0		Hail (0.75)	
Clay County									
Orange Park	28	1725EST			0	0		Hail (0.75)	
Suwannee County									
Live Oak	30	1830EST			0	0	2.5K	Thunderstorm Wind	
		Large trees and power lines were blown down.							
Hamilton County									
Genoa	30	1942EST			0	0		Hail (0.75)	
<u>FLORIDA, Northwest</u>									
Lafayette County									
Southeast Portion	01 07	0000EST 1800EST			0	0		Wild/Forest Fire	
		The Mallory Swamp fire burned a total of 57,200 acres according to the Florida Division of Forestry. Numerous homes on County Roads 349 and 351 were threatened and their residents evacuated, but none were damaged. Considerable haze and smoke from the blaze covered much of Interstate 10 from Tallahassee to Jacksonville.							
Dixie County									
Cross City	05	1548EST			0	0	10K	Thunderstorm Wind	
		Downed trees on a house. Reported by the Dixie County EMA.							
Bay County									
Countywide	11	1000EST 1500EST			0	0	125K	Urban/Sml Stream Fld	

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated		
		Local/	Length	Width	Persons	Damage		
Location	Date	Standard	(Miles)	(Yards)	Killed	Property	Crops	Character of Storm
<u>FLORIDA, Northwest</u>								
Numerous roads closed in Panama City and Springfield, with a few washouts. Saturated grounds were responsible for several downed trees and power lines. Between three and five inches of rain fell since midnight from the remnants of Tropical Storm Allison. Reported by the Bay County EMA.								
Walton County								
Southeast Portion		11	1320EST		0	0	125K	Thunderstorm Wind
Numerous trees and power lines down. A mobile home sustained roof damage. Several homes and businesses received minor damage. Homes and businesses were without power along U.S. Highway 98 from County Road 30-A to U.S. Highway 331. Reported by the Walton County EMA.								
Franklin County								
6 SW Apalachicola to 1 SW Apalachicola		11	1411EST 1420EST		0	0		Waterspout
A waterspout was sighted over Apalachicola Bay moving northeast toward Apalachicola and East Bay. It passed over the John Gorrie Memorial Bridge between Apalachicola and Eastpoint, then dissipated near Magnolia Bluff. Reported by the Franklin County EMA.								
Calhoun County								
Clarksville		11	1800EST 2100EST		0	0		Urban/Sml Stream Fld
Minor street flooding. Up to a half foot of water covered County Road 275 south of Highway 20. Up to eight inches of rain fell since midnight from the remnants of Tropical Storm Allison. Reported by a SKYWARN storm spotter.								
Leon County								
Tallahassee		11	2130EST 2200EST		0	0	100K	Thunderstorm Wind
Numerous downed trees and power lines. One house was damaged by fallen trees. Reported by the Tallahassee P.D.								
Wakulla County								
Crawfordville		11	2235EST		0	0		Funnel Cloud
A funnel cloud was sighted by a SKYWARN storm spotter.								
Leon County								
Countywide		11 12	2200EST 0200EST		1	0	20M	Flood
Intense rainbands from the remnants of Tropical Storm Allison dumped up to 11 inches of rain in a 24-hour period. The official 24-hour rainfall total at the Tallahassee Regional Airport of 10.13 inches broke the previous record of 9.47 inches set in 1969. Federal disaster aid was declared for Leon County where nearly 600 residences, mobile homes, apartments and businesses were damaged or destroyed by floodwaters. There were numerous reports of people stranded in their vehicles on flooded streets and intersections in Tallahassee and surrounding areas. Several people were rescued from their flooded homes and apartments. One man drowned when his vehicle was swept into a culvert near Brevard and Dewey Streets in Tallahassee. His body was found several miles downstream in a ditch near Lake Bradford Road and Gamble Street. Numerous streets were damaged or strewn with debris. Reported by the Tallahassee PD and the Florida Emergency Management Division. M19VE								
Madison County								
2 NW Greenville to 2.3 NW Greenville		12	0050EST 0051EST		0	1	200K	Tornado (F1)
An F1 tornado touched down near Lake Logan Road north of U.S. Highway 90. The tornado destroyed three double wide trailers, flipped over several vehicles, and downed numerous trees and power lines. One person sustained minor injuries from flying debris. Reported by the Madison County EMA.								
Lafayette County								
3 SE Day		18	1500EST 1501EST		0	0	75K	Tornado (F0)
A F0 tornado briefly touched down at the HBCN Dairy on County Road 251. The barn was lifted nearly 30 feet off the ground. Its roof along with twisted metal and debris were strewn across the field. The feeding and milking barns were damaged. Reported by the Mayo Free Press.								
Walton County								
Santa Rosa Beach		18	1630EST 1645EST		0	0	150K	Lightning
Four homes in Santa Rosa Beach were struck by lightning. Reported by the Fort Walton Beach Daily News.								
Jackson County								
3 S Marianna		27	1650EST		0	0	50K	Thunderstorm Wind
A mobile home was destroyed. Reported by the Jackson County EMA.								
<u>FLORIDA, Southern</u>								
Broward County								
Coral Spgs		01	1330EST		0	0	10K	Lightning
A lightning strike caused damage to the roof of a gas station.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
FLORIDA, Southern								
Broward County								
Ft Lauderdale	02	1130EST			1	7		Lightning
A man was directly struck and killed by lightning while standing on Fort Lauderdale beach. Seven other people standing nearby were affected, one seriously. When the lightning struck, the thunderstorm was located over the mainland, several miles away. It was raining lightly and thunder could be heard.								
M30OU								
Broward County								
20 W Pembroke Pines	03	1245EST			0	1		Lightning
A 39-year old male was injured while fishing on an airboat in the everglades, 20 miles west of Everglades Holiday Park. It was raining heavily with frequent lightning at the time that the lightning struck the man's fishing rod. Another man in the boat contacted emergency officials, but help was delayed arriving due to the ferocity of the thunderstorm.								
Palm Beach County								
3 E West Palm Beach	04	1101EST			0	0		Waterspout
Two waterspouts were sighted in the Atlantic about one mile offshore Southern Boulevard.								
Hendry County								
La Belle	04	1640EST			0	0	5K	Thunderstorm Wind (G65)
A thunderstorm wind gust estimated at 75 mph blew down tree limbs and power lines.								
Dade County								
50 E Miami	07	1255EST			0	0		Waterspout
A pilot reported a waterspout in the Atlantic, 2 miles northwest of Bimini.								
Palm Beach County								
25 NE Palm Beach Intl	08	1255EST			0	0		Waterspout
A pilot sighted a waterspout in the Atlantic, about 28 miles southwest of Freeport, Grand Bahama Island.								
Dade County								
Hialeah	11	1930EST			0	0	5K	Thunderstorm Wind (G50)
Tree limbs and power lines were blown down.								
Palm Beach County								
10 WSW West Palm Be	12	1612EST			0	0		Hail (1.50)
Palm Beach County								
10 WSW West Palm Be	12	1612EST			0	0		Thunderstorm Wind (G58)
A SKYWARN spotter reported hailstones 1.0 to 1.5 inches in diameter and wind gusts up to 65 mph.								
Collier County								
Naples	14	1420EST			0	0		Funnel Cloud
The Sheriff's Office reported two funnel clouds.								
Dade County								
28 W Miami	15	1452EST			0	0		Hail (0.75)
A Park Ranger at the Shark Valley portion of Everglades National Park reported dime-size hail.								
Hendry County								
Harlem	15	2036EST			0	0		Hail (1.00)
The Sheriff's Office reported hail one inch in diameter.								
Broward County								
Cooper	16	1153EST			0	0		Hail (0.75)
Broward County								
Cooper	16	1153EST			0	0		Thunderstorm Wind (G61)
Wind gusts of 60 to 70 mph along with dime-size hail were observed in Cooper City.								
Dade County								
Miami Lake	16	1222EST			0	0		Hail (1.00)
One inch hail reported.								
Palm Beach County								
Lantana	16	1230EST			0	0		Thunderstorm Wind (G52)
A SKYWARN spotter reported wind gusts of 60 mph that blew over small trees.								
Dade County								
15 W Miami	16	1245EST			0	0		Hail (1.00)
The police reported one inch hail near Krome Avenue and U.S. 41.								
Palm Beach County								
Greenacres City	16	1254EST			0	0		Hail (1.00)
Palm Beach County								
Greenacres City	16	1254EST			0	0	1K	Thunderstorm Wind (G58)
A SKYWARN spotter reported one inch hail and a car rolled over by 65 mph wind gusts.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
FLORIDA, Southern							
Dade County							
15 W Homestead	16	1433EST			0	0	Thunderstorm Wind (G52)
	An Everglades National Park employee estimated wind gusts near 60 mph.						
Collier County							
Naples	16	1645EST			0	0	2K
	A tornado touched down in Lely Golf Estates, uprooting several large trees.						
Collier County							
Naples	16	1718EST			0	0	Hail (0.88)
	The Sheriff's Office reported nickel-size hail.						
Dade County							
2 E Miami Beach	18	1555EST			0	0	Waterspout
	The Miami Beach Beach Patrol sighted a waterspout in the Atlantic offshore 46 Street.						
Collier County							
Naples Park	18	1830EST			0	0	2K
	A lightning-initiated fire damaged a home in Naples Park.						
Dade County							
Miami Intl	21	0941EST			0	0	Funnel Cloud
	Tower personnel at Miami International Airport saw a funnel cloud.						
Broward County							
17 E Hallandale	21	1311EST			0	0	Waterspout
	A pilot saw a waterspout in the Atlantic.						
Dade County							
Miami Shrs	22	1030EST			0	0	5K
	A church steeple was struck by lightning causing a small fire.						
Palm Beach County							
Boca Raton	22	1110EST			0	0	Funnel Cloud
	A SKYWARN spotter saw a funnel cloud and small hail near I-95 and Glades Road.						
Collier County							
Naples Park	22	1130EST			0	0	Funnel Cloud
	A SKYWARN spotter sighted a funnel cloud.						
Broward County							
Cooper	23	1205EST			0	0	Hail (0.75)
Broward County							
Pembroke Pines	23	1215EST 1218EST			0	0	150K
	A tornado touched down in Pembroke Pines near Flamingo Road and Taft Street and move east for about a mile and a half. Twenty houses along the path suffered mostly minor roof damage. Several trees were uprooted and fences were damaged. Dime-size hail was reported in Cooper City.						
Palm Beach County							
Boynton Beach	23	1304EST			0	0	Thunderstorm Wind (G55)
	A large ficus tree was uprooted in west Boynton Beach.						
Dade County							
Miami	24	1510EST			0	0	Hail (0.75)
	Dime-size hail was reported near 37th Avenue and Flagler Street.						
Palm Beach County							
3 E Highland Beach	24	1655EST			0	0	Waterspout
	Five waterspouts were sighted in the Atlantic.						
Broward County							
North Lauderdale	25	1307EST			0	0	Hail (1.00)
	A SKYWARN spotter reported one inch hail at the intersection of Bailey Road and Rock Island Road.						
Broward County							
Miramar	25	1415EST			0	0	Hail (0.75)
	Dime-size hail was reported by an off-duty NWS employee.						
Broward County							
Davie	25	1500EST			0	1	Lightning
	A man exiting his work truck was injured by lightning which struck a nearby tree. He reported numbness but recovered at a hospital.						
Collier County							
Vanderbilt Beach	26	1420EST			0	0	50K
	Thunderstorm Wind (G70)						

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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FLORIDA, Southern

Dade County

Miami **26** **1900EST** **0** **1** **Tstm Wind/Hail**
A severe thunderstorm moved from North Naples to Vanderbilt Beach blowing down several large trees. There was also damage to several vehicles and the window of a condominium was blown out.

Broward County

3 E Ft Lauderdale **27** **1840EST** **1** **0** **Rip Currents**
A father drowned in a rip current while attempting to save his children. The children were uninjured.
M40IW

FLORIDA, West Central

Citrus County

Citrus Spgs **04** **1440EST** **0** **0** **0** **0** **Hail (0.75)**
Dime sized hail was reported in Citrus Springs by a Citrus County Sheriffs Department Deputy.

Lee County

Buckingham **04** **1525EST** **0** **0** **0** **0** **Hail (1.00)**
The public reported, through WZVN-TV of Ft. Myers, quarter sized hail in Buckingham of eastern Lee county.

Hillsborough County

6 N Tampa **04** **1549EST** **0** **0** **0** **0** **Hail (0.75)**
Dime sized hail was reported near the intersection of U.S. Highway 41 (Nebraska Avenue) and State Road 580 (Busch Blvd) in Tampa by a Skywarn Spotter.

Hillsborough County

**4.5 N Tampa to
6 NW Tampa** **04** **1610EST** **0** **0** **0** **0** **Hail (1.00)**
1615EST
Quarter to nickel sized hail was reported by the public through WFLA-TV of Tampa near the intersection of State Road 580 (Busch Blvd) and U.S. Highway 92 (Dale Mabry Hwy) in Tampa.

Pasco County

Land O Lakes **04** **1700EST** **0** **0** **5K** **0** **Thunderstorm Wind**
The public reported, through WTSP-TV in St. Petersburg, that thunderstorm winds removed part of the roof of a mobile home on the 10000 block of Eherns Cutoff Road in Land O Lakes.

Pasco County

Land O Lakes **04** **1722EST** **0** **0** **0** **0** **Hail (0.88)**
Nickel sized hail was reported in Land O Lakes by the public through WTSP-TV of St. Petersburg.

Hillsborough County

**4 N Tampa to
Temple Terrace** **04** **1940EST** **0** **0** **5K** **0** **Thunderstorm Wind**
1945EST
Hillsborough County Sheriffs Department reported that thunderstorm winds downed a few large trees and several branches from Tampa northeast to Temple Terrace.

Lee County

4 N Cape Coral **05** **1330EST** **0** **0** **30K** **0** **Thunderstorm Wind**
1345EST
Lee county emergency management reported that thunderstorm winds peeled off a portion of the roof on the south side of a three duplex structure on the 500 block of 8th Street S.E. in Cape Coral.

Charlotte County

1 NE Port Charlotte **05** **1443EST** **0** **0** **0** **0** **Hail (0.75)**
Dime sized hail was reported by a Skywarn Spotter near the intersection of Olean and Conway Boulevards in Port Charlotte.

Charlotte County

**Murdock to
1 NE Port Charlotte** **05** **1445EST** **0** **0** **0** **0** **Hail (1.75)**
1455EST
Golfball to dime sized hail was reported by several Skywarn Spotters across central Port Charlotte.

Charlotte County

Port Charlotte **05** **1450EST** **0** **1** **0** **0** **Lightning**
Charlotte county emergency management reported that a female was struck and injured by lightning near the intersection of U.S. Highway 41 and Olean Avenue in Port Charlotte.

Sarasota County

North Port **05** **1500EST** **0** **0** **5K** **0** **Thunderstorm Wind**
Florida Power & Light utility and the public reported that a few large trees, limbs and power lines were downed in North Port over extreme southern Sarasota county.

Charlotte County

**Englewood to
Punta Gorda** **05** **1500EST** **0** **0** **20K** **0** **Thunderstorm Wind**
1510EST

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

FLORIDA, West Central

Florida Power & Light utility and the public reported that a few large trees, branches and powers lines were downed by thunderstorm winds from Englewood to Punta Gorda.

Hillsborough County

11 NW Tampa

05 1515EST **0 2 0 0 Lightning**

Bay News 9 Cable reported, that under partial sunshine, two senior citizen male golfers were struck and injured by the sideflash of lightning that struck a tree from a nearby thunderstorm at the Country Way Golf Course located on the 11100 block of Waters Avenue in northwest Tampa.

Pinellas County

Tarpon Spgs

05 1600EST **0 0 0 0 Hail (0.88)**

The public reported, through Bay News 9 Cable, nickel sized hail in Tarpon Springs of northern Pinellas county.

Pasco County

Dade City

05 1715EST **0 0 5K 0 Thunderstorm Wind**

Pasco county emergency management reported that thunderstorm winds downed several large branches in Dade City in eastern Pasco county.

Hernando County

3 W Brooksville

05 1750EST **0 0 20K 0 Thunderstorm Wind**
1810EST

Hernando county emergency management reported that thunderstorm winds downed several large trees, branches and power lines along Citrus Way and Lake Lindsey Road, three miles west of Brooksville.

Pinellas County

Tarpon Spgs

05 1755EST **0 0 10K 0 Thunderstorm Wind**

The public reported, through WTSP-TV of St. Petersburg, that thunderstorm winds uprooted several large trees and downed power lines along Chesapeake and Riverside Drive in Tarpon Springs.

Citrus County

Inverness

06 1615EST **0 0 5K 0 Lightning**

Citrus county fire & rescue reported that lightning struck, ignited and partially damaged a mobile home in Inverness.

Citrus County

Inverness

06 1615EST **0 0 5K 0 Thunderstorm Wind**

Citrus county fire & rescue reported that thunderstorm winds downed several large and medium sized branches throughout Inverness.

Citrus County

Inverness

06 1615EST **0 0 0 0 Hail (0.75)**

Citrus county fire & rescue reported dime sized hail in Inverness.

Lee County

18 W Ft Myers

09 0820EST **0 0 0 0 Waterspout**

A waterspout was reported by a Skywarn Spotter south of Useppa Island in northern Pine Island Sound.

Highlands County

3 S Sebring

13 1700EST **0 0 0 0 Hail (0.88)**

Golfball to nickel sized hail was reported by Skywarn Spotters three miles south of Sebring.

Polk County

5 E Haines City

13 1843EST **0 0 0 0 Hail (0.75)**

Dime sized hail was reported by the public in the Poinciana area east of Haines City.

Sumter County

4 E Oxford

14 1230EST **0 0 0 0 Hail (1.00)**

Quarter sized hail was reported by Sumter county sheriffs department along State Road 466 near Buena Vista Road, four miles east of Oxford.

Polk County

4 N Lakeland to 3 SE Auburndale

14 1445EST **0 0 0 0 Hail (0.75)**
1459EST

Dime sized hail was reported by the Lakeland police department mainly along U.S. Highway 98 and Carpenters Way Road. Skywarn Spotters also reported dime sized hail three miles southeast of Auburndale.

Hillsborough County

Plant City

14 1457EST **0 0 0 0 Hail (1.75)**

The public reported, through WTVT-TV of Tampa, several observations of golfball sized hail over plant city.

Polk County

Lakeland to Winter Haven

14 1502EST **0 0 0 0 Hail (0.75)**
1511EST

Dime sized hail was reported by Skywarn Spotters and the public, through WTVT-TV of Tampa, from Lakeland east to Winter Haven in northern Polk county.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
FLORIDA, West Central								
Hillsborough County								
5 W Plant City	14	1535EST 1538EST			0	0	0	Hail (1.00)
Quarter sized hail was reported by the public along U.S. Highway 92 and McIntosh Road, five miles west of Plant City.								
Pasco County								
4 N Dade City	14	1620EST			0	0	0	Hail (0.75)
Dime sized hail was reported by the Pasco county sheriffs department four miles north of Dade City.								
Hillsborough County								
4 W Lithia to 2 W Lithia	14	1630EST 1635EST			0	0	0	Hail (1.00)
An off-duty NWS meteorologist reported quarter to dime sized hail in the FishHawk Ranch subdivision, along FishHawk Boulevard to near the County Road 640 (Lithia-Pinecrest Road) intersection.								
Sumter County								
1 W Oxford	14	1720EST			0	0	0	Hail (0.75)
Dime sized hail was reported by a Skywarn Spotter along State Road 466, one mile west of Oxford.								
Pinellas County								
6 N St Petersburg	15	1210EST 1220EST			0	0	0	Hail (0.75)
Dime sized hail was reported by a Bay News 9 Cable photographer near the U.S. Highway 92 (Gandy Bridge) and State Road 687 (4th Street) in St. Petersburg.								
Hillsborough County								
1 W Thonotosassa	15	1412EST 1420EST			0	0	150K	Thunderstorm Wind (G60)
A National Weather Service damage survey concluded that a microburst occurred at the Ranch Oaks Mobile Home Park along the north side of U.S. Highway 301, one mile west of Thonotosassa. Eyewitness accounts confirm that a wall of wind, approximately 60 to 70 miles mph, moved across an open field northwestward across U.S. Highway 301 and impacted the Ranch Oaks Mobile Home Park.								
Most of the sporadic microburst damage was concentrated along a broad path, approximately 500 yards wide and a quarter mile long.								
Two to three mobile homes were severely damaged by large toppled oak trees and another eight to ten mobile homes incurred minor damage. Also, eight to ten carports, sheds and lanais incurred damage from the microburst winds.								
Hillsborough County								
1 W Thonotosassa	15	1412EST			0	0	20K	Tornado (F0)
National Weather Service damage survey concluded that a short lived "Gustnado", along the leading edge of a northwestward advancing microburst, briefly touched down and toppled a power pole and a few large oak trees, which severely damaged a couple of mobile homes in the Ranch Oaks mobile home park along U.S. Highway 301, one mile west of Thonotosassa.								
Eyewitness accounts estimated the gustnado to have a diameter at the base of less then ten feet as it moved along the leading edge of the microburst. The maximum estimated winds of the gustnado were between 50 and 60 mph.								
Hillsborough County								
1 W Thonotosassa	15	1412EST 1420EST			0	0	0	Hail (1.00)
The public reported quarter sized hail that lasted for approximately eight minutes at the Ranch Oaks mobile home park along U.S. Highway 301, one mile west of Thonotosassa.								
Manatee County								
7 NW Myakka City	15	1446EST			0	0	0	Hail (0.88)
Nickel sized hail was reported by the public along Verna Bethany Road, seven miles northwest of Myakka City in rural eastern Manatee county.								
Pasco County								
Zephyrhills	15	1450EST			0	0	0	Hail (1.00)
Quarter sized hail was reported by a Skywarn Spotter over downtown Zephyrhills in extreme southeast Pasco county.								
Manatee County								
Duette	15	1508EST			0	0	0	Hail (0.75)
Dime sized hail was reported by a Skywarn Spotter in Duette over rural northeast Manatee county.								
Hardee County								
Bowling Green	15	1549EST 1555EST			0	0	5K	Thunderstorm Wind
Skywarn spotters reported that a few large trees, several large limbs and a few power lines were downed by thunderstorm winds in Bowling Green.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
FLORIDA, West Central								
Polk County								
Lake Wales	15	1606EST			0	0	100K	0 Thunderstorm Wind
The Polk county sheriffs department reported that thunderstorm winds caused moderate to minor damage to twelve mobile homes and caused minor hanger damage at the Lake Wales Municipal Airport.								
Lee County								
Cape Coral	15	1729EST			0	0	0	0 Hail (1.00)
Quarter to dime sized hail was reported by Skywarn Spotters across Cape Coral.								
Highlands County								
Sebring	15	1806EST			0	0	75K	0 Thunderstorm Wind
Highlands county emergency management reported that thunderstorm winds caused minor damage to seventeen homes and eight businesses in Sebring.								
Lee County								
Cape Coral	16	1310EST 1314EST			0	0	0	0 Hail (0.75)
Several Skywarn Spotters reported dime sized hail in Cape Coral.								
Charlotte County								
Port Charlotte	16	1415EST			0	0	5K	0 Thunderstorm Wind
Charlotte county emergency management reported that thunderstorm winds downed a few large trees, large branches and power lines in Port Charlotte.								
Hillsborough County								
Plant City	17	1500EST			0	0	50K	0 Thunderstorm Wind
The public reported, through WFTS-TV of Tampa, that thunderstorm winds damaged three mobile homes and downed a few large trees along Alexander and Baker Streets in Plant City.								
Levy County								
Bronson	17	1529EST			0	0	50K	0 Thunderstorm Wind
Thunderstorm winds downed at least twenty trees and damaged several sheds along the 2600 block of N.E. 118th Terrace in Bronson.								
Highlands County								
5 NW Lake Placid	17	1830EST			0	0	0	0 Hail (0.75)
Dime sized hail was reported by a Skywarn Spotter in the Leisure Lakes subdivision five miles northwest of Lake Placid.								
De Soto County								
4 W Arcadia	17	2000EST			0	0	25K	0 Thunderstorm Wind
The public reported, through WTVT-TV and WFTS-TV of Tampa, that thunderstorm winds caused damage to a mobile home, downed a few large trees and broke windows near the intersection of Pine Hurst and Eucalyptus Roads, four miles west of Arcadia.								
Hillsborough County								
Ruskin	18	1430EST			0	0	0	0 Hail (0.75)
Dime sized hail was reported by an off-duty NWS employee in Ruskin.								
Pinellas County								
10 NNW St Petersburg	18	1441EST			0	0	0	0 Thunderstorm Wind (G51) M
A wind gust of 59 mph (51 knots) was measured at the St. Petersburg-Clearwater International Airport (PIE).								
Pasco County								
Land O Lakes	18	1545EST			0	0	50K	0 Thunderstorm Wind
A local utility company reported that thunderstorm winds downed numerous trees and power lines in and around Land O Lakes in Pasco county. Nearly 2,000 homes were without power for approximately one hour.								
Lee County								
1 S Estero	18	1550EST			0	0	5K	0 Thunderstorm Wind (G52)
A Skywarn Spotter reported that thunderstorm winds downed several tree tops and large branches near the intersection of U.S. Highway 41 and Corkscrew Road.								
Pasco County								
Denham	18	1553EST			0	0	0	0 Hail (0.75)
Dime sized hail that covered the ground was reported in Denham by a Skywarn Spotter.								
Lee County								
1 S Estero	18	1555EST			0	0	50K	0 Hail (1.75)
A Skywarn Spotter reported that golf ball sized hail broke a few windshields and damaged the paint of a few vehicles near the intersection of U.S. Highway 41 and Corkscrew Road one mile south of Estero.								
Hernando County								
Spring Hill	18	1605EST			0	0	10K	0 Thunderstorm Wind
Spring Hill Fire & Rescue reported that thunderstorm winds caused minor roof damage to five homes on Rialto Avenue of the Brooke Ridge subdivision.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
FLORIDA, West Central								
Lee County								
1 E Ft Myers to 1 W Ft Myers	18	1612EST			0	0	20K	0 Thunderstorm Wind
The Lee county sheriffs department reported that thunderstorm winds downed several large trees one mile east of Ft. Myers.								
Lee County								
Ft Myers Shrs	18	1625EST			0	0	0	0 Hail (0.88)
The public reported, through WBBH-TV of Ft. Myers, nickel sized hail in Ft. Myers Shores.								
Lee County								
North Ft Myers	18	1645EST			0	0	40K	0 Thunderstorm Wind
A local utility company reported that thunderstorm winds downed several large trees and power lines in North Ft. Myers.								
Charlotte County								
Port Charlotte	18	1645EST			0	0	25K	0 Lightning
Lightning struck a home on the 21000 block of Denise Street in Port Charlotte and caused major damage to the kitchen. Lightning struck the roof of the home and traveled downward into the kitchen where it caused up to \$25,000 in damage.								
Hardee County								
Ft Green	18	1730EST			0	0	25K	0 Thunderstorm Wind
The Hardee county sheriffs department reported that thunderstorm winds downed several trees on Center Hill Road in Ft. Green.								
Polk County								
Bartow	18	1742EST			0	0	0	0 Hail (0.88)
Nickel sized hail was reported by a Skywarn Spotter in Bartow.								
Polk County								
Winter Haven to Lake Alfred	18	1745EST 1800EST			0	0	100K	0 Thunderstorm Wind
The Polk county sheriffs department, local utility company and broadcast media reported that thunderstorm winds downed numerous large trees and power lines in a triangular area bounded by Winter Haven, Auburndale and Lake Alfred. Over 7,000 Polk county residents were without electrical power for up to an hour due to the wind downed lines.								
Polk County								
Bartow	18	1745EST 1800EST			0	0	279K	0 Thunderstorm Wind
Polk county emergency management reported, through the Tampa Tribune newspaper, that thunderstorm winds destroyed three structures, caused major damage to six structures, minor damage to 21 additional structures, and downed numerous trees, branches and power lines in Bartow.								
Polk County								
Auburndale	18	1820EST			0	0	0	0 Hail (0.75)
The Auburndale police department reported dime sized hail Lake Ariana and Deen Boulevard in Auburndale.								
Levy County								
Otter Creek	19	1430EST			0	0	0	0 Hail (0.75)
Dime sized hail was reported by the Chiefland police department in Otter Creek.								
Lee County								
Bonita Spgs	19	1545EST 1600EST			0	0	75K	0 Thunderstorm Wind
Florida Power & Light utility reported that thunderstorm winds downed several large branches and power lines on Broad Street in Bonita Springs. Over 1,400 electrical customers in Bonita Springs were without power for over an hour due to the downed power lines.								
Hillsborough County								
2 NW Brandon	19	1557EST			0	0	25K	0 Thunderstorm Wind (G52)
An off-duty NWS meteorologist estimated 60 mph winds along Interstate 75 and State Highway 574A (Martin Luther King Blvd). Also, the public reported that thunderstorm winds downed a few large trees and several large branches north of State Road 60 in Brandon.								
Pinellas County								
St Petersburg	19	1628EST			0	0	0	0 Hail (0.75)
Dime sized hail was reported by a Skywarn Spotter in St. Petersburg.								
Hernando County								
Spring Hill	19	1700EST			0	0	0	0 Hail (0.88)
The public reported nickel sized hail along U.S. Highway 19, two miles south of State Road 50 in Spring Hill.								
Charlotte County								
2 NE Murdock	20	1445EST			0	0	10K	0 Tornado (F0)
A Skywarn Spotter reported a small F0 tornado, briefly touched down and toppled a few large trees and several large branches near the intersection of Veterans Boulevard and Yorkshire Street in Murdock.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
FLORIDA, West Central								
Sarasota County								
Nokomis	20	1525EST			0	0	0	Hail (0.75)
Dime sized hail was reported by Sarasota county fire & rescue along Jackson Road in Nokomis.								
Sarasota County								
2 NE Laurel	20	1535EST			0	0	0	Tornado (F0)
The public reported, through WWSB-TV (ABC) of Sarasota, a small tornado that briefly touched down over a sparsely populated, partially wooded area, near the intersection of Interstate 75 and State Road 681, two miles northeast of Laurel in western Sarasota county.								
Manatee County								
4 ESE Bradenton to 5 S Bradenton	20	1630EST 1645EST			0	0	50K	Thunderstorm Wind
Thunderstorm winds downed several large trees, branches and power lines, from near the intersection of U.S. Highway 301 and Whitfield Avenue, to 51st Avenue East in Bradenton.								
Pinellas County								
Pinellas Park to 5 NNW St Petersburg	21	1210EST 1220EST			0	0	0	Hail (1.75)
The public reported, through Bay News 9 Cable, golfball to dime sized hail, from near the intersection of U.S. Highway 19 and 49th Street in Pinellas Park to the intersection of Interstate 275 and State Road 694 (Gandy Blvd) in St. Petersburg.								
Pinellas County								
Pinellas Park	21	1216EST			0	1	0	Lightning
A 32 year old female was injured by lightning while indoors in Pinellas Park. The female was shocked and injured while grabbing a metal closet door knob in her home while lightning struck at a nearby undetermined location outside.								
Pinellas County								
Pinellas Park	21	1220EST			0	0	5K	Thunderstorm Wind
Bay News 9 Cable reported that thunderstorm winds downed a few large trees and several large branches on 66th and 118th Streets in Pinellas Park.								
Citrus County								
Inverness	21	1405EST 1408EST			0	0	0	Hail (0.75)
Dime sized hail, which lasted for three minutes, was reported by the Inverness police department.								
Citrus County								
Beverly Hills	21	1415EST			0	0	150K	Lightning
Lightning struck a clay embankment and ripped open a fourteen foot gash in a buried sixteen inch water main, which then dispensed and flooded 250,000 gallons of water into yards, pools and a home along 200 block of W. Romany Loop in Beverly Hills.								
Hillsborough County								
9 E Wimauma	21	1423EST			0	0	3K	Thunderstorm Wind
The Hillsborough county sheriffs department reported that thunderstorm winds downed a few large trees near the intersection of State Roads 39 and 674 in Ft. Lonsome.								
Hillsborough County								
9 E Wimauma	21	1430EST			0	0	0	Hail (1.00)
Quarter sized hail was reported by the Hillsborough county sheriffs department near the intersection of State Roads 39 and 674 in Ft. Lonsome.								
Polk County								
8 E Bartow	21	1541EST			0	0	0	Hail (0.75)
Dime sized hail was reported by the public, through WTVT-TV (FOX) of Tampa, near the intersection of County Road 655A (Alturas Rd) and State Road 60, eight miles east of Bartow.								
Pasco County								
4 SSW Dade City	21	1548EST			0	0	5K	Thunderstorm Wind
The Dade City police department and a local utility reported that thunderstorm winds downed a few power lines and large trees near the intersection of County Road 41 (Ft King Rd) and Covington Road, four miles south southwest of Dade City.								
Pasco County								
3 WNW Wesley Chape 3.5 WNW Wesley Chapel	21	1625EST 1628EST			0	0	100K	Tornado (F0)
Pasco county emergency management reported that a F0 tornado touched down on the greens of the Quail Hollow Golf & Country Club near Golf Course Loop. The tornado moved west and caused minor roof and tile damage to sixteen homes and uprooted a few small trees along Country Club Road and Angus Valley Drive before it lifted and dissipated along Saddletree Drive.								
Pasco County								
Wesley Chapel	21	1639EST			0	0	0	Hail (0.75)
Dime sized hail was reported by WTVT-TV (FOX) of Tampa in Wesley Chapel over eastern Pasco county.								

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>FLORIDA, West Central</u>									
Polk County									
Winter Haven to Haines City	21	1715EST 1730EST			0	0	50K	0	Thunderstorm Wind
A Tampa Electric Power representative reported that thunderstorm winds downed several large trees, branches and power lines from Winter Haven to Haines City in northern Polk county.									
Hillsborough County									
Sun City Center to Plant City	21	1800EST 1815EST			0	0	50K	0	Thunderstorm Wind
A Tampa Electric Power representative reported that thunderstorm winds downed several large trees, branches and power lines from Sun City Center to Plant City over rural eastern and southern Hillsborough county.									
Hillsborough County									
Riverview	21	1815EST			0	0	0	0	Hail (0.75)
Dime sized hail was reported by WFTS-TV (ABC) of Tampa in Riverview, Florida.									
Citrus County									
Crystal River	22	0900EST 0915EST			0	0	50K	0	Thunderstorm Wind
Citrus county emergency management reported that thunderstorm winds downed several large trees, branches and power line in Crystal River.									
Pinellas County									
Largo	22	0945EST 0955EST			0	0	30K	0	Thunderstorm Wind
A Florida Power Company representative reported that thunderstorm winds downed a few large trees, several large branches and power lines in Largo.									
Pinellas County									
Tarpon Spgs	22	0957EST			0	0	65K	0	Lightning
Lightning struck and caused an electrical surge to an apartment at the Island Club condominiums on the 1500 block of Sunset Road in Tarpon Springs. The electrical surge ignited a fire in the apartment and caused an estimated \$65,000 dollars in damage.									
Sarasota County									
Venice	23	0900EST			0	1	0	0	Lightning
Lightning struck a stopped postal mail delivery truck and slightly injured a 54 year old male postal mail carrier inside the vehicle on Guadeloupe Avenue in the Bay Indies community of Venice. The victim noted that rain had begun as he stopped to check a mailbox, and then felt the hair on his arms stand up prior to the lightning strike.									
Highlands County									
Sebring	23	0950EST			0	0	1K	0	Tstm Wind/Hail
A Skywarn Spotter reported that three large, possibly rotted, tree limbs were downed by thunderstorm winds, estimated at 50 mph, on the 1800 block of Flamingo Drive in Sebring.									
Hillsborough County									
9 N Tampa	24	0835EST			0	2	0	0	Lightning
A 50 year male and 46 year old female were struck and injured by the sideflash of lightning that struck a nearby tree and traveled through the parking lot pavement where the victims stood at the Idlewild Baptist Church on Bearss Avenue east of State Road 597 (Dale Mabry Hwy).									
Polk County									
Auburndale to Winter Haven	24	1135EST 1150EST			0	0	25K	0	Thunderstorm Wind
A local utility reported that thunderstorm winds downed a few large trees, several large branches and a few power lines from Auburndale to Winter Haven over northern Polk county.									
Lee County									
Lehigh Acres	26	1428EST 1435EST			0	0	0	0	Hail (1.75)
Golfball to half dollar sized hail was reported by the public in Lehigh Acres through WBBH-TV (NBC) of Ft. Myers.									
Charlotte County									
1 ESE Charlotte Harb 1 ENE Charlotte Harbor	26	1500EST 1502EST			0	0	0	0	Waterspout
A waterspout was reported by Charlotte county emergency management that briefly moved onshore near the 4500 block of Melbourne Street in Charlotte Harbor.									
Charlotte County									
1 ENE Charlotte Harb	26	1502EST			0	0	5K	0	Tornado (F0)
The public reported, through Charlotte county emergency management, that a small waterspout moved onshore and downed two power poles and toppled a large tree onto the roof of a home, along the 4500 block of Melbourne Street in Charlotte Harbor, before it lifted and dissipated.									

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
FLORIDA, West Central								
De Soto County								
Brownville	26	1630EST 1640EST			0	0	3K	0 Thunderstorm Wind
A Peace Electric Co-op representative reported that a few large trees and branches were toppled by thunderstorm winds across power lines along Oltmanns Road near U.S. Highway 17 in Brownville.								
Polk County								
West Frostproof to 6 NW West Frostproof	26	1630EST 1640EST			0	0	5K	0 Thunderstorm Wind
The public reported, through a Peace River Electric Co-op representative, that thunderstorm winds downed trees, power lines and overturned sheds from West Frostproof to Lake Buffum.								
Polk County								
3 E Lakeland to 1 N Lakeland	26	1725EST 1735EST			0	0	0	0 Hail (1.00)
Skywarn Spotters and the public reported that quarter to dime sized hail fell over portions of Lakeland in northern Polk county.								
Manatee County								
2 E Ellenton	26	1835EST			0	0	0	0 Waterspout
The public reported, through the Manatee county sheriffs department, a waterspout east of Interstate 75 over the Manatee River.								
Hillsborough County								
Riverview to Seffner	27	1500EST 1515EST			0	0	20K	0 Thunderstorm Wind
A Tampa Electric Power Company representative reported that thunderstorm winds downed a few large trees and several large limbs from Riverview north to Seffner.								
Pinellas County								
2 W St Petersburg Beach	27	1555EST 1610EST			0	0	0	0 Waterspout
The public reported a waterspout two miles west of St. Petersburg Beach.								
Pinellas County								
11 NNE St Petersburg	27	1556EST			0	0	0	0 Waterspout
Pinellas county emergency management reported a waterspout north of the Howard Frankland Bridge (I-275).								
Hillsborough County								
Lutz	27	1600EST			0	1	0	0 Lightning
An adult male was struck and injured by the sideflash of lightning that struck a pole he was standing near along the 17000 block of Singing Wood Place east of State Road 597 (Dale Mabry) in Lutz.								
Pinellas County								
St Petersburg	27	1622EST			0	0	50K	0 Thunderstorm Wind
Thunderstorm winds blew out the stained glass windows of a church, downed a few large trees and damaged a large shed in St. Petersburg.								
Manatee County								
1 W Bradenton Beach	28	1221EST			0	0	0	0 Waterspout
A waterspout was reported by Manatee county 911 dispatch, one mile west of Bradenton Beach.								
Pinellas County								
3 SW Seminole	28	1418EST			0	0	0	0 Waterspout
A waterspout was reported by the Pinellas county sheriffs department.								
Pinellas County								
2 W Pass A Grille Beach 3 W Pass A Grille Beach	29	0707EST 0712EST			0	0	0	0 Waterspout
A waterspout was observed to last for five minutes two to three miles west of Pass-A-Grille Beach.								
Hernando County								
6 WNW Spring Hill	29	1358EST			0	0	0	0 Waterspout
A Skywarn Spotter reported a waterspout near Amber Jack Drive off Hernando Beach.								
Pasco County								
San Antonio	30	1545EST			0	0	50K	0 Thunderstorm Wind
Thunderstorm winds downed a dozen trees, numerous power lines and removed a portion of a homes tin roof in San Antonio.								
Citrus County								
Homosassa	30	1650EST 1655EST			0	0	0	0 Hail (0.75)
A Skywarn Spotter reported dime to moth ball sized hail briefly covered the ground in Homosassa.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
FLORIDA, West Panhandle								
Okaloosa County								
Destin	06	1200CST 1205CST			1	0		Rip Currents
A forty-eight year old male from New Mexico drowned in rough surf near Henderson State Park. The man was swimming with his son when they were caught in a strong rip current. Bystanders were able to pull the two out of the water. The boy was unharmed but the father was unconscious and could not be revived. Tropical Storm Allison had moved North out of the western Gulf of Mexico into eastern Texas the day before. At the same time, strong High pressure was centered off the southeast Atlantic coast. The gradient between the low pressure to the west and the high pressure to the east, produced a persistent strong southerly wind flow over the coastal waters of the western Florida panhandle. This, combined with larger than normal swells which were propagated off Tropical Storm Allison, produced deadly rip currents along the Florida Panhandle beaches. The National Weather Service in Mobile had forecasted a moderate threat of rip tides for the day, and red flags were flying along the beaches to alert swimmers to the potential rip current threat. The rip current situation became so bad during the afternoon, that sirens, normally used as storm warnings, were activated at Pensacola Beach.								
M48IW								
Santa Rosa County								
Navarre	06	1200CST 1210CST			2	2		Rip Currents
A 59 year old male from Tennessee and his daughters father in-law, a 60 year old male from Great Britain, both drowned while swimming in rough waters near Navarre Beach. The male from England was swimming in the rough surf when he encountered a strong rip current. The male from Tennessee jumped in to help the man from England and they both drowned. Two firefighters attempting to rescue the men had to be pulled from the heavy surf and were transported to a local hospital. They were checked over and released. Rescuers on the scene said the surf was the roughest they had ever seen.								
M59IW, M60IW								
Escambia County								
Pensacola Beach	06	1340CST			1	0		Rip Currents
A 46 year old male from Tennessee drowned in rough surf on Pensacola Beach. He went in the water to rescue his two daughters who were being pulled away from the shoreline by a strong rip current. Rescuers were able to get the two girls out of the water but the male could not be revived.								
M46IW								
Escambia County								
Pensacola Beach	06	1400CST 1410CST			0	2		Rip Currents
Two swimmers were caught in rough surf while swimming near Pensacola Beach. They were overcome by strong rip currents. They were able to be rescued and were hospitalized and later released.								
Escambia County								
Pensacola Beach	07	1200CST 1205CST			1	0		Rip Currents
A Chicago man became the fifth person to drown over two days along the northwest Florida beaches plagued by rough surf and rip currents. Witnesses said the twenty-five year old male went into the water and was immediately pulled away from the shore. Two people tried to rescue him but were forced back by strong waves.								
M25IW								
Santa Rosa County								
Navarre	07	1300CST 1305CST			0	1		Rip Currents
A local thirty-nine year old female was taken to a hospital after being rescued at Navarre Beach from rough waters. She and three friends were swimming in the rough surf when they were caught in a rip current. Rescuers were able to rescue the three, with the one woman being taken to the hospital, and later released.								
Escambia County								
Pensacola Beach	11	0805CST 0810CST			0	0		Thunderstorm Wind (G69) M
Wind equipment on Pensacola Beach measured a peak wind gust of 79 mph as a line of thunderstorms moved through the area. The line of storms was associated with the remnants of Tropical Storm Allison, which were moving east across the region. No damage was reported.								
FLZ002-004-006								
Coastal Escambia - Coastal Santa Rosa - Coastal Okaloosa								
	11	0930CST 1230CST			0	0	30K	High Wind (G45)
High gradient winds caused by a strong area of high pressure off the east coast and the remnants of Allison caused some minor damage across the coastal sections of Escambia, Santa Rosa and Okaloosa counties. Sustained wind speeds of 35 to 45 mph with higher gusts were measured at several locations between 930 am and 1230 pm. A home under construction near Pensacola had its walls blown in. Elsewhere, minor damage occurred with power lines and small tree limbs blown down.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>FLORIDA, West Panhandle</u>								
Escambia County								
Pensacola Beach	13	0745CST 0755CST			0	0		Waterspout
A waterspout was reported over the Gulf waters just offshore of nearby Fort Pickens State Park. The waterspout remained out over the water, where it dissipated.								
<u>GEORGIA, East Central</u>								
Richmond County								
Augusta	03	1713EST			0	0	0	Thunderstorm Wind (G50)
Newspaper reported trees and powerlines down in the Augusta and Ft. Gordon areas.								
Richmond County								
Augusta to Ft Gordon	03	1730EST			0	0	0	Thunderstorm Wind (G50)
Newspaper reported trees and powerlines down around Augusta and Ft. Gordon causing power outages.								
Burke County								
Countywide	03	1915EST			0	0	0	Thunderstorm Wind (G60)
Shieriff reported trees down throughout the county.								
Burke County								
Alexander	04	2345EST			0	0	0	Thunderstorm Wind (G50)
Highway dept. reported trees down in the Alexander area.								
Lincoln County								
Lincolnton	06	1630EST			0	0	0	Thunderstorm Wind (G55)
EM reported trees and powerlines down in and around the Lincolnton area. Street flooding also occurred with locally heavy rainfall.								
Richmond County								
Hephzibah	12	1430EST 1431EST			0	0	0	Tornado (F0)
WAGT TV and others reported a small tornado touchdown at Point South golf course taking down several trees.								
Mcduffie County								
North Portion	13	0440EST 0840EST			0	0		Flash Flood
Sheriff reported water moving over Folly Lake Bridge and on Stagecoach road.								
Columbia County								
Appling	13	0500EST 0900EST			0	0	98K	Flash Flood
Emergency manager reported flooding on Ray Owens road and other areas of central Columbia county.								
Lincoln County								
Clay Hill	14	1545EST			0	0	0	Thunderstorm Wind (G50)
Sheriff reported trees down in Clay Hill.								
Columbia County								
Appling	14	1552EST			0	0	0	Thunderstorm Wind (G50)
Highway dept. reported trees down on White Oak rd.								
Richmond County								
Augusta	22	1615EST 1630EST			0	0	0	Thunderstorm Wind (G50)
WAGT TV and GA Power reported trees down throughout the Augusta area.								
<u>GEORGIA, Lower</u>								
Glynn County								
Brunswick	03	2215EST			0	0	5K	Tstm Wind/Hail
An uprooted tree damaged a home on Lee Street.								
Wayne County								
Jesup	05	1625EST			0	0		Tstm Wind/Hail
One tree and small limbs were blown down.								
Ware County								
Needham	05	1845EST			0	0	3.5K	Thunderstorm Wind
Large trees and power lines were blown down.								
Ware County								
Waycross	05	1915EST			0	0	20K	Lightning
Mobile home destroyed.								
Ware County								
Waycross	05	1930EST			0	0	2.5K	Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
GEORGIA, Lower							
Camden County							Large trees and power lines were blown down.
White Oak	06	1700EST			0	0	Hail (0.75)
Camden County							
2 N Kingsland	06	1710EST			0	0	Funnel Cloud
Glynn County							
Sterling	07	1910EST			0	0	Funnel Cloud
Glynn County							
Sterling	07	1910EST			0	0	2.5K Thunderstorm Wind
Glynn County							Large trees and power lines were blown down.
Brunswick	07	1932EST			0	0	3K Lightning
Echols County							Home damaged
Haylow	11	0205EST			0	0	2.5K Thunderstorm Wind
Clinch County							Large trees and power lines were blown down.
Homerville	11	1922EST			0	0	2.5K Thunderstorm Wind
Atkinson County							Large trees and power lines were blown down.
2 S Pearson to 2.1 SSW Pearson	11	2000EST 2005EST			0	0	3.5K Tornado (F0)
Clinch County							Weak FO. Large trees and power lines were blown down. Trees were blocking secondary roads off Highway 21.
Homerville	11	2000EST			0	0	3.5K Thunderstorm Wind
Clinch County							Large trees and power lines were blown down.
Countywide	12	0205EST 0500EST			0	0	Flood
Echols County							Numerous reports of flooded secondary roads -Tropical Storm Allison.
Countywide	12	0205EST 0500EST			0	0	Flood
Pierce County							Numerous reports of flooded secondary roads -Tropical Storm Allison.
Countywide	12	0205EST 0500EST			0	0	Flood
Ware County							Numerous reports of flooded secondary roads -Tropical Storm Allison.
Countywide	12	0205EST 0500EST			0	0	Flood
Brantley County							Numerous reports of flooded secondary roads -Tropical Storm Allison.
Countywide	12	0400EST 0730EST			0	0	Flood
Glynn County							Many secondary roads flooded.
Countywide	12	0400EST			0	0	Flood
Wayne County							Many secondary roads flooded.
Countywide	12	0400EST			0	0	Flood
Echols County							Many secondary roads flooded.
Needmore	12	0601EST			0	0	3.5K Thunderstorm Wind
Clinch County							Large trees and power lines were blown down.
Fargo	12	0614EST			0	0	2.5K Thunderstorm Wind
							Large trees and power lines were blown down.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
GEORGIA, Lower								
Echols County								
Countywide	12	1030EST 1230EST			0	0		Flood
		Many secondary roads flooded.						
Jeff Davis County								
Hazelhurst	13	1535EST			0	0	2.5K	Thunderstorm Wind
		Large trees and power lines were blown down.						
Appling County								
Baxley	13	1542EST			0	0	15K	Thunderstorm Wind
		Trees blown down. One home damaged.						
Appling County								
Baxley	13	1600EST			0	0	3.5K	Thunderstorm Wind
		Large trees and power lines were blown down.						
Wayne County								
Jesup	13	1615EST			0	0	3.5K	Thunderstorm Wind
		Large trees and power lines were blown down.						
Wayne County								
Odum	13	1645EST			0	0	12K	Thunderstorm Wind
		Large trees and power lines were blown down on Gail Road. Roof blown off mobile home.						
Jeff Davis County								
Hazelhurst	13	1615EST			0	0	4.5K	Thunderstorm Wind
		Numerous reports of large trees and power lines were blown down.						
Atkinson County								
Kirkland	14	1600EST			0	0		Lightning
		Small brush fire.						
Atkinson County								
Kirkland	14	1600EST			0	0	2.5K	Thunderstorm Wind
		Large trees and power lines were blown down.						
Camden County								
Kingsland	14	1815EST			0	0	2.5K	Thunderstorm Wind
		Large trees and power lines were blown down.						
Glynn County								
Thalmann	15	1500EST			0	0	2.5K	Thunderstorm Wind
		Large trees and power lines were blown down.						
Charlton County								
St George	16	1635EST			0	0	2K	Thunderstorm Wind
		Large trees and power lines were blown down.						
Atkinson County								
Kirkland	18	1314EST			0	0		Hail (0.75)
Charlton County								
St George	18	1315EST			0	0		Hail (0.75)
Brantley County								
Hickox	21	1230EST			0	0	0.50K	Thunderstorm Wind
		Large trees were blown down.						
Jeff Davis County								
Hazelhurst	22	1544EST			0	0		Hail (0.75)
Ware County								
Waycross	23	2030EST			0	0	3K	Tstm Wind/Hail
		Storefront plate glass window was blown out.						
Camden County								
2 NE St Marys	24	1410EST			0	0		Waterspout
		Off King's Bay.						
Charlton County								
Folkston	26	1815EST			0	0		Hail (0.75)
Wayne County								
Doctortown	27	1459EST			0	0		Hail (0.75)
Wayne County								
5 NW Jesup	27	1700EST			0	0	3.5K	Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>GEORGIA, Lower</u>									
Large trees and power lines were blown down.									
Wayne County									
Jesup	27	1659EST			0	0		Hail (0.75)	
Wayne County									
Gardi	27	1725EST			0	0		Hail (0.75)	
Coffee County									
Douglas	27	1800EST			0	0	2.5K	Thunderstorm Wind	
Large trees and power lines were blown down.									
Appling County									
Baxley	30	1530EST			0	0		Tstm Wind/Hail	
Trees damaged.									
Bacon County									
Alma	30	1545EST			0	0		Tstm Wind/Hail	
Trees damaged.									
Coffee County									
Douglas	30	1618EST			0	0	4K	Thunderstorm Wind	
Large trees and power lines were blown down.									
Echols County									
Needmore	30	1900EST			0	0	3.5K	Thunderstorm Wind	
Large trees and power lines were blown down.									
<u>GEORGIA, North and Central</u>									
Murray County									
2 SE Carters	03	1320EST			0	0		Hail (0.75)	
A Skywarn storm spotter reported dime size hail and a few broken tree limbs near the south end of Carters Lake Dam.									
Douglas County									
Douglasville to 7 W Winston	03	1321EST 1344EST			0	0		Hail (0.88)	
Several reports of dime to quarter size hail were received from the public from Douglasville west to the western border of the county near Villa Rica. In one instance, a meteorologist with the Weather Channel reported that dime size hail covered the ground.									
Paulding County									
Hiram	03	1322EST			0	0		Hail (0.75)	
The Paulding County 911 center reported dime size hail.									
Chattooga County									
Trion to Summerville	03	1345EST 1356EST			0	0		Hail (0.88)	
A storm spotter reported dime size hail in Trion. The Chattooga County 911 center reported dime to nickel size hail in Summerville.									
Chattooga County									
Summerville	03	1356EST			0	0	2K	Thunderstorm Wind	
The Chattooga County 911 center reported that two trees were blown down in Summerville and another was blown down onto a power line.									
De Kalb County									
Decatur	03	1400EST			0	0		Lightning	
The Atlanta Journal and Constitution reported that two homes were struck by lightning and set on fire. The extent of damage was unknown and not reported. No injuries were reported.									
Forsyth County									
4 N Oscarville	03	1422EST			0	0		Hail (0.75)	
The Forsyth County 911 center reported dime size hail on Georgia Highway 53 about one mile east-northeast of Chestatee.									
Hall County									
Murrayville to Gainesville	03	1422EST 1435EST			0	0		Hail (0.88)	
A storm spotter reported nickel size hail 10 miles northwest of Gainesville near Maravilla, while amateur radio operators and the public reported nickel size hail in Gainesville.									
Floyd County									
2 NW Mt Berry	03	1430EST			0	0		Hail (0.75)	
A storm spotter reported that dime size hail fell for approximately 10 minutes near Berry College northwest of Rome.									
Fulton County									
Alpharetta	03	1440EST			0	0		Hail (0.75)	
An amateur radio operator reported dime size hail.									

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage	Property	Crops	Character of Storm
<u>GEORGIA, North and Central</u>									
Paulding County									
Dallas	03	1446EST			0	0	2K		Thunderstorm Wind
The Paulding County 911 center reported that several trees were down on minor roads near Georgia Highway 61N.									
Coweta County									
Madras to Sharpsburg	03	1453EST 1515EST			0	0			Hail (0.88)
The public and amateur radio operators provided several reports of dime to nickel size hail.									
Meriwether County									
Warm Spgs	03	1455EST			0	0			Hail (0.75)
A storm spotter reported dime size hail on the east side of Warm Springs.									
Troup County									
West Pt to La Grange	03	1456EST			0	0			Hail (0.75)
The Troup County 911 center, along with a trained storm spotter and the general public, reported dime sized hail.									
Floyd County									
3 W Cave Spg	03	1515EST			0	0			Hail (0.75)
The Floyd County 911 center reported dime size hail.									
Floyd County									
Cave Spg	03	1515EST			0	0			Urban/Sml Stream Fld
The Rome News Tribune reported that thunderstorms, with very heavy rain, resulted in street flooding on Glenn Milner Boulevard.									
Upson County									
Thomaston	03	1518EST 1528EST			0	0			Hail (0.75)
The Thomaston Fire Department and an amateur radio operator reported dime size hail.									
Jackson County									
Jefferson to Braselton	03	1520EST 1530EST			0	0			Hail (0.75)
The public reported dime size hail.									
Fulton County									
6.5 N Atlanta	03	1521EST			0	0	0.50K		Hail (0.88)
The public reported nickel size hail in Buckhead. The hail caused damage to a vehicle.									
Floyd County									
Cave Spg to Rome	03	1525EST 1545EST			0	0	7K		Thunderstorm Wind (G52)
The Floyd County 911 center and the Rome News Tribune reported that numerous trees were blown down and several power lines were blown down or were downed by fallen trees, especially in Rome and Cave Spring. In one instance, a tree fell on a house on Edgewood Avenue. Much of the damage was along and near U.S. Highway 411. This damage continued west along U.S. 411 to the Alabama border. An amateur radio operator west of Cave Spring estimated the winds at 60 mph.									
Polk County									
Fish to Cedartown	03	1525EST 1540EST			0	0			Hail (1.75)
The Polk County 911 center and an amateur radio operator reported dime to golf ball size hail from near Fish and Fish Creek west to Cedartown. The golf ball size hail was confined to the Cedartown area.									
Fayette County									
1 W Tyrone to Peachtree City	03	1530EST 1556EST			0	0	5K		Thunderstorm Wind (G50)
The public reported that several sheets of tin were blown off a barn just west of Tyrone and a tree was blown down in Peachtree City.									
Floyd County									
Cave Spg	03	1530EST			0	0	2K		Lightning
The Rome News Tribune reported that two homes in Cave Springs were struck by lightning. While no fire resulted, there was minor damage to the house caused by the lightning strike. An electrical box was struck at yet a third house.									
Upson County									
Yatesville	03	1530EST 1534EST			0	0	1K		Thunderstorm Wind
An amateur radio operator reported that a few trees were blown down, one on Georgia Highway 74.									
Cobb County									
Acworth to Smyrna	03	1543EST 1552EST			0	0			Hail (1.00)
The public reported quarter size hail in Acworth and an amateur radio operator reported dime size hail in Smyrna.									

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
GEORGIA, North and Central								
Cobb County								
Countywide	03	1543EST			0	0	15K	Lightning
The Atlanta Journal and Constituion reported that three homes were struck by lightning. Minor structural fires resulted. No injuries were reported.								
Cobb County								
3 E Marietta to Marietta	03	1545EST 1610EST			0	0	7K	Thunderstorm Wind
The public, and an amateur radio operator, reported that several large limbs were broken off trees in the eastern part of Marietta and a tree was down on a house in Marietta.								
De Kalb County								
Brookhaven to 5 SW Stone Mtn	03	1557EST 1626EST			0	0		Hail (1.00)
The public, and an amateur radio operator, provided numerous reports of dime to quarter size hail across the northern sections of the county, including Brookhaven, Druid Hills, and Chamblee. A few branches were also blown down in Druid Hills.								
De Kalb County								
Countywide	03	1557EST 1626EST			0	0	2K	Thunderstorm Wind
The Atlanta Journal-Constitution reported that several tree limbs, down on power lines, resulted in widespread power service interruptions across the county.								
Fulton County								
9 NNE Atlanta	03	1558EST			0	0		Hail (0.75)
The public reported dime size hail in Brookhaven.								
Spalding County								
Griffin	03	1600EST 1615EST			0	0		Hail (0.88)
The public reported dime to nickel size hail.								
Spalding County								
Griffin	03	1600EST 1645EST			0	0		Urban/Sml Stream Fld
The Griffin Daily News reported that thunderstorms, with very heavy rain in a short period of time, resulted in the flooding of some streets and caused at least one road, Lyndon Avenue, to be closed.								
Douglas County								
Douglasville to 5 S Douglasville	03	1603EST 1616EST			0	0		Hail (1.50)
An amateur radio operator, a trained storm spotter, and the public, all provided several reports of hail ranging in size from nickels, to quarters, to half-dollars. Most of the hail occurred near Interstate 20 in Douglasville and to the south.								
Haralson County								
2.5 N Morgan	03	1613EST			0	0		Hail (0.75)
An amateur radio operator reported dime size hail.								
Bibb County								
Macon	03	1615EST 1625EST			0	0		Hail (0.75)
A Skywam Spotter, as well as the Bibb County 911 center, reported dime size hail in Macon.								
Bibb County								
Macon	03	1615EST			0	0	2K	Thunderstorm Wind
An amateur radio operator reported that trees were blown down.								
Spalding County								
4 ESE Towalaga	03	1620EST			0	0	5K	Thunderstorm Wind
The Griffin Daily News reported that trees and power lines were blown down in many areas of the county. A number of roads were blocked by fallen trees or tree limbs and in some cases power lines. In addition, Interstate 75 was backed up for miles because of a fallen tree at mile marker 207.								
Carroll County								
Villa Rica	03	1630EST 1635EST			0	0		Hail (1.00)
The public reported dime to quarter size hail.								
Fulton County								
3 W Atlanta to 6.5 N Atlanta	03	1630EST 1638EST			0	0		Urban/Sml Stream Fld
An amateur radio operator, and the public, reported street flooding in the West End and Buckhead areas. There were reports of cars stalled and over 6 inches of water on roads in low-lying areas.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
GEORGIA, North and Central							
Oglethorpe County							
Lexington	03	1630EST			0	0	3K Thunderstorm Wind
The Oglethorpe County 911 center reported that several trees were blown down and a telephone pole was down near Lexington on U.S. Highway 78.							
Gwinnett County							
1 W Snellville to Grayson	03	1631EST 1637EST			0	0	Hail (0.75)
The public reported dime size hail.							
Butts County							
9 WSW Jackson	03	1635EST			0	0	2K Thunderstorm Wind
The Butts County Emergency Management Director reported that trees were blown down on Georgia Highway 16 at Interstate 75.							
Clayton County							
Ellenwood	03	1700EST			0	0	Hail (0.75)
The public reported dime size hail.							
Dooly County							
Unadilla	03	1710EST			0	0	Hail (0.88)
The public reported nickel size hail. A tree was also blown down on Georgia Highway 230.							
Jasper County							
Countywide	03	1710EST			0	0	5K Thunderstorm Wind
The Jasper County 911 center reported trees down throughout the county.							
Coweta County							
Newnan to 6 NE Madras	03	1715EST			0	0	Hail (0.88)
Amateur radio operators reported dime size hail in extreme northeast Coweta county near Palmetto and the Fulton county line, and nickel size hail in Newnan.							
Laurens County							
Dublin	03	1716EST			0	0	Hail (0.75)
The public reported dime size hail on Georgia Highway 29 while passing through Dublin.							
Newton County							
Countywide	03	1719EST			0	0	1K Thunderstorm Wind
The Newton County 911 center reported that a few trees were down across the county.							
Laurens County							
Dublin to East Dublin	03	1720EST 1754EST			0	0	Hail (1.00)
The public and the Laurens county 911 center reported dime to quarter size hail.							
Laurens County							
Dublin	03	1730EST			0	0	Lightning
The public reported that a house was struck by lightning. No damage estimate was provided.							
Laurens County							
Dublin	03	1730EST			0	0	0.50K Thunderstorm Wind
The public reported that two trees were blown down.							
Putnam County							
Eatonton	03	1730EST			0	0	2K Thunderstorm Wind
The Eatonton Sheriff's Office reported that some trees were blown down in town.							
Wilkinson County							
Gordon to Toombsboro	03	1730EST			0	0	2K Thunderstorm Wind
The Wilkinson County 911 center reported that several trees were down in Gordon, McIntyre, and Toombsboro.							
Morgan County							
Countywide	03	1733EST			0	0	5K Thunderstorm Wind
The Morgan County 911 center reported that trees were down throughout the county.							
Washington County							
Sandersville	03	1750EST			0	0	1K Thunderstorm Wind
The Washington County 911 center reported that several trees were blown down.							
Hancock County							
Countywide	03	1810EST			0	0	7K Thunderstorm Wind
The Hancock County Sheriff's Office reported that trees and power lines were down all across the county.							
Emanuel County							
Countywide	03	1830EST			0	0	10K Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
GEORGIA, North and Central								
Glascock County								
Countywide	03	1830EST			0	0	5K	Thunderstorm Wind
The Glascock County 911 center reported that trees and power lines were down all across the county.								
Jefferson County								
Wadley	03	1830EST			0	0	2K	Thunderstorm Wind
The Jefferson County 911 center reported that trees were down.								
Stewart County								
Omaha	03	1900EST			0	0		Hail (0.75)
The public reported dime size hail. Winds were estimated at 60 mph as well.								
Sumter County								
5 N Americus	04	1800EST			0	0	0.50K	Thunderstorm Wind
The Sumter County 911 center reported that two trees were blown down.								
Bartow County								
Cartersville	04	1930EST			0	0	2K	Thunderstorm Wind
The Bartow County 911 center reported that they had received several reports of trees down.								
Dade County								
Countywide	04	1930EST 1935EST			0	0	10K	Thunderstorm Wind
The Dade County 911 center reported that trees and power lines were down all across the county. One tree fell on a car on Interstate 24 at Trenton causing minor damage.								
Gordon County								
Calhoun	04	1930EST			0	0	7K	Thunderstorm Wind
The Gordon County 911 center reported that several power lines and three to four trees were blown down.								
Catoosa County								
Ringgold	04	2010EST			0	0	0.50K	Thunderstorm Wind
The Catoosa County 911 center reported that two trees were blown down.								
Walker County								
La Fayette	04	2010EST			0	0	3K	Thunderstorm Wind
The Walker County 911 center reported that numerous trees were blown down.								
Whitfield County								
Dalton	04	2010EST			0	0	5K	Thunderstorm Wind
The Whitfield County 911 center reported that some power lines were down.								
Dawson County								
Dawsonville	04	2030EST			0	0		Lightning
The Dawson County 911 center reported that 3 homes were struck by lightning. No further information was provided with regard to damages.								
Dawson County								
Dawsonville	04	2030EST			0	0	5K	Thunderstorm Wind
The Dawson County 911 center reported that two trees were blown down and some power lines were down as well.								
Floyd County								
7 E Rome	04	1910EST			0	0	2K	Thunderstorm Wind
The Floyd County Emergency Manager reported that several trees were blown down in a rural area of eastern Floyd county near the Kingston Highway or Georgia Highway 293.								
Polk County								
Aragon	04	1910EST			0	0	0.50K	Thunderstorm Wind
The Polk County Emergency Management Director reported that several small trees were blown down.								
Upson County								
5 W Thomaston	04	1950EST			0	0	0.50K	Thunderstorm Wind
A storm spotter reported that a few trees were blown down.								
Cherokee County								
Ball Ground	04	2016EST			0	0	5K	Thunderstorm Wind
The Cherokee County Emergency Management Director reported that trees and power lines were down. There were several reports of tornadoes in the area, but there was never any confirmation of a touchdown.								
Dawson County								
8 W Dawsonville to 2 S Dawsonville	04	2030EST			0	0	15K	Lightning

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

GEORGIA, North and Central

The Dawson County Emergency Management Director reported that lightning struck two homes and one business. One home, which sustained approximately \$15,000 damage, was located in the extreme western part of the county in the Big Canoe Resort Area. The other home, which sustained approximately \$5,000 damage was located about 1 mile south of downtown Dawsonville. The business that was struck was located about 2 miles south of Dawsonville, but sustained no significant damage.

Hall County

Gainesville to
Clermont

04 2100EST **0 0** **Hail (1.00)**
2110EST

The public reported quarter size hail in Gainesville and a storm spotter reported dime size hail in Clermont.

Hall County

Clermont

04 2113EST **0 0** **25K** **Lightning**

The Hall County 911 center reported that a home was struck by lightning. A fire resulted, and the house sustained substantial damage.

Hall County

Clermont

04 2115EST **0 0** **0.10K** **Thunderstorm Wind**

A storm spotter reported that some small trees were blown down.

Houston County

Perry to
2 W Perry

05 1811EST **0 0** **3K** **Thunderstorm Wind**
1837EST

The Houston County Emergency Management Director reported that a tin roof was blown off a building two miles west of Perry and a few limbs were blown off trees in Perry.

Pickens County

Jasper

06 1200EST **0 0** **0.50K** **Thunderstorm Wind**

Cherokee County

Canton

06 1700EST **0 0** **250K** **Lightning**

The Marietta Daily Journal reported that lightning struck and ignited a home on Oakdale road. The home was completely destroyed by the ensuing fire.

Cherokee County

Canton

06 1740EST **0 0** **Urban/Sml Stream Fld**

The Georgia Emergency Management Agency relayed a report of flooding on a local Canton road. The road was said to have been under three feet of water and a nearby hotel had to be evacuated. No monetary damage value was provided.

Peach County

6 S Byron

10 1850EST **0 0** **Urban/Sml Stream Fld**

The Peach County 911 center reported that minor street flooding occurred at the intersection of Housers Mill Road and Lakeview Road.

Houston County

Warner Robins to
Perry

10 1858EST **0 0** **Urban/Sml Stream Fld**

The Houston County 911 center reported that street flooding occurred in the Quail Run Subdivision of Warner Robins and also on U.S. Highway 41 toward Perry.

Pulaski County

Hawkinsville

10 1912EST **0 0** **Urban/Sml Stream Fld**

The Pulaski County 911 center reported that minor street flooding occurred in Hawkinsville on U.S. Highway 129 and Georgia Highway 257/27.

GAZ039-050>051-060-073-094-107 Wilkes - Greene - Taliaferro - Putnam - Baldwin - Peach - Pulaski

11 1500EST **0 0** **Tropical Storm**
13 1500EST

The remnants of Tropical Storm Allison, which originated in the Gulf of Mexico near the Texas coast during the first few days of June, brought heavy rain and flooding to many counties in central and east central Georgia from the afternoon of the 11'th through the afternoon of the 13'th. After meandering over southeast Texas and southwest Louisiana for several days and causing major flooding and loss of life in Texas and Louisiana, the Tropical Depression then moved along the Gulf Coast of Mississippi and Alabama and into South Georgia on the 11'th. By now, downgraded to just a low pressure area, the remnants then took a turn more to the northeast passing near Macon on the 12'th and near Augusta on the 13'th. While wind was not a problem with this storm, very heavy rain had been a problem from the beginning. Spiral bands of heavy rain and some thunderstorms began affecting east central and middle Georgia during the afternoon of the 11'th, with additional development of heavy rain on the 12'th and 13'th, especially in eastern areas. The heaviest rain fell from the evening of the 12'th through the early morning hours of the 13'th in an area generally bounded by Athens, Eatonton, Milledgeville, Crawfordville, and Lexington. In these areas, 24 rainfall amounts of 5 to 8 inches were common, with 10 inches observed in 24 hours on the Little River five miles southeast of Washington in Wilkes county. Two to three day rainfall totals exceeded 10 inches in several places in this area. The Little River crested at 28.4 feet, exceeding the previous highest stage ever recorded of 26.4 feet. Flooding was also observed on the Oconee River at Milledgeville with a crest of 33.7, two feet above flood stage. Several counties were significantly impacted by the flooding rainfall with many roads and bridges being washed

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
GEORGIA, North and Central								
out. Greene county was one of the hardest hit where a bridge was washed out leaving 25 residents of the Lake Oconee Point Royal neighborhood stranded. These residents had to be ferried by Sheriff patrol boat to their homes. Over 20 roads were under water in Greene county alone. Putnam, Baldwin, and Taliaferro counties were also hard hit with numerous secondary roads and even some state highways flooded. Several secondary roads had to be closed, a few of which were even washed out. In Pulaski county, a road in the southwest part of the county was washed out leaving a 10 foot canyon where the road used to be. In Milledgeville, an Animal Hospital had to be evacuated when a nearby creek rising out of its banks threatened to flood the facility. Several rivers, reached or exceeded flood stage, and several flood gates had to be opened at the Lake Sinclair and Lake Oconee dams. There were even some reports of downed trees and power lines in a few places, but this was because of saturated soils, not because of high wind. Governor Roy Barnes declared a "state of emergency" for several counties in the state, including Baldwin, Greene, Peach, Pulaski, Putnam, Taliaferro, and Wilkes.								
Spalding County								
Griffin	12	1700EST			0	0		Lightning
The Griffin Daily News reported that lightning struck the well pump on a double-wide mobile home. While this incident occurred without fire and the pump was quickly repaired, faulty repair of the pump may have ultimately led to a fire which destroyed the mobile home and caused \$90,000 of damage.								
Hancock County								
Countywide	12	2100EST			0	0		Urban/Sml Stream Fld
WAGA Television, FOX 5 of Atlanta, reported that some roads in the county were washed out because of high water.								
Putnam County								
Countywide	12	2100EST			0	0		Urban/Sml Stream Fld
WAGA Television, FOX 5 in Atlanta, reported that 10 roads were under water and closed across the county. It was also reported that some sewers were backing up in homes.								
Taliaferro County								
Countywide	12	2155EST			0	0		Urban/Sml Stream Fld
WAGA Television, FOX 5 of Atlanta, reported that several roads were under water in the county.								
Putnam County								
Countywide	12	2200EST			0	0		Flash Flood
The Putnam County 911 center reported that several roads in the county were flooded, including some state highways. Several secondary roads had to be closed. No major damage was reported, however, and most of the roads were opened within 24 hours. Rainfall of 3 to 5 inches in a 3 to 5 hour time period contributed to the flooding.								
Taliaferro County								
Countywide	12	2300EST			0	0	25K	Flash Flood
	13	0030EST						
The Taliaferro County 911 center reported that several roads were flooded. A car was even washed off the road. Unofficial reports of 10 inches of rain were received from Crawfordville.								
Greene County								
Countywide	13	0000EST			0	0		Flash Flood
The Greene county 911 center reported that 22 roads were flooded in the county. Rainfall of 3 to 5 inches in a 3 hour period fell on top of 2 to 5 inches of rain which had fallen in the previous 1 to 2 days.								
Baldwin County								
Countywide	13	0800EST			0	0		Urban/Sml Stream Fld
The Union Recorder in Milledgeville, as well as a number of other newspapers across Georgia, reported that flooding of roads had occurred in Baldwin county. Six roads had to be closed because of flooding and an Animal Hospital had to be evacuated as it was threatened by water from a nearby creek.								
Pulaski County								
Countywide	13	0800EST			0	0		Flash Flood
The Macon Telegraph reported that very heavy rain caused Fost road in the southwest part of the county to washed out. A culvert washed out of the road leaving a 10 foot canyon where the road had been. Several other dirt roads were washed out in the county and several crops were flooded.								
White County								
Cleveland	14	1240EST			0	0		Tstm Wind/Hail
A local Cleveland radio station reported pea size hail.								
Clarke County								
1 W Winterville	14	1325EST			0	0	2K	Thunderstorm Wind (G50)
The public reported that two large trees were down and numerous branches were blown down.								
Clarke County								
1 W Winterville	14	1325EST			0	0		Urban/Sml Stream Fld
The public reported minor street flooding. Up to 1.25 inches of rain fell in 30 minutes.								
Fulton County								
Atlanta	14	1335EST			0	0		Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
GEORGIA, North and Central								
The public reported dime size hail on Auburn Avenue.								
Oglethorpe County								
Lexington to Stephens	14	1349EST 1405EST			0 0			Hail (0.75)
The Oglethorpe County 911 center reported dime size hail.								
Oglethorpe County								
Lexington to Stephens	14	1349EST 1405EST			0 0	3K		Thunderstorm Wind
The Oglethorpe County 911 center reported that a few trees and power lines were down along Georgia Highway 77 North, Elberton Road, near Lexington. Other power lines and several trees were also down near Stephens.								
Greene County								
Union Pt	14	1430EST			0 0			Hail (0.75)
A U.S. Postal Service mail carrier reported dime size hail while on his route.								
Jasper County								
Monticello	14	1635EST			0 0			Hail (0.75)
The Jasper County 911 center relayed a report of dime size hail at the Monticello Police Station.								
Jasper County								
Monticello	14	1635EST			0 0	1K		Thunderstorm Wind
The Jasper County 911 center reported that three trees were blown down.								
Walton County								
Loganville	14	1710EST			0 0			Hail (0.75)
The Walton County 911 center reported dime size hail.								
Walton County								
Loganville	14	1710EST			0 0	5K		Lightning
The Walton County 911 center reported that lightning struck a house resulting in a minor fire.								
Henry County								
Stockbridge	14	1725EST			0 0			Hail (0.88)
The Henry County 911 center reported nickel size hail and a few tree limbs blown down.								
Meriwether County								
Manchester	14	1730EST			0 0	1K		Thunderstorm Wind
The public reported that two large tree limbs were down on power lines at Perry Street and Lee Street.								
Emanuel County								
Swainsboro	14	1800EST			0 0	0.30K		Tstm Wind/Hail
The public reported that one pine tree was uprooted at the Swainsboro Golf Course. Winds were estimated at 58 mph.								
De Kalb County								
Stone Mtn	14	1820EST			0 0			Hail (0.88)
The public reported dime to nickel size hail.								
Gwinnett County								
Snellville	14	1830EST			0 0			Hail (0.75)
The public reported dime size hail.								
Jones County								
Gray	14	1830EST			0 0	5K		Tstm Wind/Hail
An amateur radio operator relayed a storm spotter report that a tree had fallen on a car.								
Bibb County								
Skipperton	14	1834EST			0 0	3K		Thunderstorm Wind
The Bibb County 911 center reported that several trees were blown down, one onto a power line in the southern part of the county.								
Rockdale County								
2 NNW Zingara	14	1835EST			0 0			Hail (0.88)
The Rockdale County 911 center reported dime to nickel size hail in the northern part of the county.								
Fulton County								
Union City	14	1855EST			0 0			Hail (0.88)
The Fulton County 911 center reported dime to nickel size hail in Union City.								
Douglas County								
Douglasville	14	1900EST			0 0	0.30K		Tstm Wind/Hail
Firestation Number 6 reported that one tree was blown down at the station on Lower River Road.								
Fannin County								
Mc Caysville	18	0400EST			0 0			Lightning
Lightning struck the kitchen of an apartment complex causing a minor fire in the stove. The only damage sustained was some damage to the wires in the stove.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
GEORGIA, North and Central								
Dodge County								
4 S Chauncey	21	1030EST			0	0	1K	Thunderstorm Wind
								The Milan Fire Department reported that several trees were uprooted.
Macon County								
Marshallville	21	1215EST			0	0	1K	Thunderstorm Wind
								The Marshallville Police Department reported that a few trees were blown down.
Houston County								
Perry	21	1230EST			0	0	7K	Thunderstorm Wind
								The Houston County 911 center reported that numerous trees were blown down, one of which was on a house.
Houston County								
Perry	21	1300EST			0	0	5K	Thunderstorm Wind
								The Houston County 911 center reported that many trees were down, several on power lines.
Dooly County								
Unadilla	21	1310EST			0	0		Hail (0.88)
								A customer reported nickel size hail to the Unadilla Post Office.
Bibb County								
Lanier Hgts	21	1315EST			0	0	5K	Thunderstorm Wind
								The Bibb County 911 center reported that trees were down on several homes.
Jones County								
Gray	21	1320EST			0	0	1K	Thunderstorm Wind
								The Jones County 911 center reported that a few trees were down.
Laurens County								
Montrose	21	1330EST			0	0		Hail (0.75)
								The public reported dime size hail.
Laurens County								
Montrose	21	1330EST			0	0	0.50K	Thunderstorm Wind
								The public reported that the skirting or underpinning was blown out from under a mobile home.
Washington County								
Oconee	21	1350EST			0	0		Hail (1.00)
								The Georgia Emergency Management Agency relayed a report of quarter size hail.
Henry County								
5 NE Stockbridge to 4 S Stockbridge	21	1415EST			0	0	4K	Thunderstorm Wind
								The public reported that seven large trees were blown down, mostly pine trees, but one was a tulip tree. One of the trees glanced off the side of the house as it fell and damaged the guttering. Another tree destroyed a fence as it fell.
Butts County								
5 SW Jackson	21	1520EST			0	0		Hail (0.75)
								The Butts County 911 center reported dime size hail.
Floyd County								
Cave Spg	21	1900EST			0	0	0.50K	Thunderstorm Wind
								The Floyd County 911 center reported that two trees were blown down.
Hall County								
Murrayville	21	1920EST			0	0		Hail (1.00)
								The public reported quarter size hail.
Dade County								
3 E Trenton	21	2000EST			0	0		Hail (0.75)
								The public reported dime size hail near Lookout Mountain Scenic Highway, Georgia 189, east of Trenton.
Dooly County								
Countywide	21	2015EST			0	0	2K	Thunderstorm Wind
								The local Electric Management Cooperative reported some trees down on power lines around the county.
Dooly County								
2 W Byromville	21	2030EST			0	0		Urban/Sml Stream Fld
								The Dooly County 911 center reported that Georgia Highway 230 was under one foot of water just west of Byromville.
Wilcox County								
12 NW Abbeville	21	2200EST			0	0	125K	Lightning
								The Abbeville NWS cooperative observer reported that lightning struck a home on U.S. Highway 129 near the Pulaski county line. The home was completely destroyed by the ensuing fire.
Wheeler County								
Alamo	21	1050EST			0	0		Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
GEORGIA, North and Central							
The Alamo Police Department reported dime size hail.							
Montgomery County							
Mt Vernon to Ailey	21	1120EST			0 0	2K	Thunderstorm Wind
The Mt Vernon Police Department reported that trees were down.							
Murray County							
Countywide	22	0920EST 0935EST			0 0	5K	Thunderstorm Wind
The Chatsworth police reported that two trees were knocked down in Chatsworth. The Atlanta Journal and Constitution reported that trees were knocked down throughout the county.							
Whitfield County							
Countywide	22	0935EST 0936EST			0 0	75K	Thunderstorm Wind (G55) M
The Whitfield County 911 center reported that numerous trees were down from Dalton, to Beverdale, to the eastern border of the county near Chatsworth. Trees were reported down on Keith Road, Feeder Ridge Road, Walnut Avenue, and Bethel Church Road in Dalton. On Keith Road, a mobile home was destroyed when a tree fell on the trailer. Extensive damage also occurred at the old historic Prater's Mill State Park and Fairgrounds, east of Varnell. Damage occurred to exhibit booths and stands as some were blown over and others were damaged by fallen trees. A stage was toppled over, a ticket booth was damaged, and the roof was ripped off a shed. Power lines were also down at the park. There were several other reports of damage nearby with a tree down on a car near Prater's Mill, minor damage at Edward's Park on Cleveland Highway, and several roads blocked by fallen trees. Tin roofs were also blown off a chicken house and a barn. At the Whitfield Industrial Park, 4,500 gallons of waste water overflowed because a tree fell on a nearby power line which knocked out power to the Enterprise Lift Pump Station. A storm spotter measured winds at 60 mph with a Davis wind measuring device.							
Jackson County							
5 NW Maysville	22	1135EST			0 0		Hail (1.00)
The public reported quarter size hail on Georgia Highway 52.							
Cobb County							
Marietta	22	1200EST 1300EST			0 0		Urban/Sml Stream Fld
A storm spotter reported that very heavy rain resulted in flooding of U.S. Highway 41, South Cobb Drive, at Barclay Circle at the Life Chiropractic College.							
Jackson County							
Maysville	22	1205EST 1300EST			0 0	30K	Lightning
The Jackson County 911 center reported that lightning struck a mobile home. The home was set on fire and completely destroyed. In a separate incident, lightning struck a \$10,000 power generator to a chicken house and destroyed the generator.							
Troup County							
La Grange	22	1210EST			0 0	0.50K	Thunderstorm Wind
The Troup County 911 center reported that two trees were down at Vernon and Lee Streets.							
Cobb County							
Marietta	22	1215EST			0 0		Hail (0.75)
A storm spotter reported dime size hail at the Life Chiropractic College near the intersection of US 41, South Cobb Drive, and Barclay Circle.							
Fulton County							
2 E Union City	22	1245EST			0 0	2K	Thunderstorm Wind
The Fulton County 911 center reported that ten trees were blown down on Flat Shoals Road in Union City.							
Muscogee County							
Columbus	22	1315EST 1325EST			0 0		Hail (0.75)
The public reported dime size hail.							
Coweta County							
Senoia	22	1330EST			0 0	5K	Lightning
The Newnan Times Herald reported that a lightning strike to a house on Wagon Wheel Trail cut a "big hole" in the roof. There was no fire or smoke damage and damage was limited to the hole torn in the roof.							
Barrow County							
Winder	22	1415EST			0 0	1.5K	Thunderstorm Wind
The Barrow County 911 center reported that eleven trees were blown down.							
Jackson County							
Jefferson to Commerce	22	1415EST			0 0	0.50K	Thunderstorm Wind
The Jackson County 911 center reported that three trees were down.							

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
GEORGIA, North and Central								
Oconee County								
Watkinsville	22	1417EST			0	0	0.50K	Thunderstorm Wind
The Oconee County 911 center reported that three trees were blown down.								
Morgan County								
Bostwick	22	1440EST			0	0		Hail (0.75)
The Morgan County 911 center reported dime size hail.								
Gilmer County								
7 WSW Roosevelt	25	1225EST			0	0		Hail (0.75)
The public reported dime size hail on U.S. Highway 76/Georgia Highway 282 at the Ridgeway Church next to the Murray County line.								
Whitfield County								
2 E Dalton	25	1410EST			0	0		Hail (0.75)
A storm spotter reported dime size hail.								
Bartow County								
Cartersville	25	1415EST			0	0		Hail (0.88)
An amateur radio operator reported nickel size hail in Cartersville.								
Bartow County								
Cartersville to Emerson	25	1442EST 1500EST			0	0		Hail (1.00)
The public reported dime to quarter size hail from Cartersville to Emerson.								
Carroll County								
Roopville	25	1506EST			0	0	0.50K	Lightning
The Roopville Fire Department reported that lightning struck a house and knocked some of the bricks off the chimney.								
Catoosa County								
4 SE Ringgold	25	1515EST			0	0		Hail (1.00)
The public reported quarter size hail near Sugartown.								
Cobb County								
Kennesaw to Acworth	25	1525EST 1535EST			0	0		Hail (1.00)
The public reported quarter size hail.								
Walker County								
Naomi	25	1530EST			0	0		Hail (0.75)
A storm spotter reported dime size hail.								
Fulton County								
6 NNE Atlanta	25	1845EST			0	0	5K	Thunderstorm Wind
The observer from the Hartsfield International Airport, while off duty, reported that a large tree was blown down in Buckhead at the intersection of Peachtree and Collier streets. This in turn brought down 3 power poles resulting in the closure of both streets for several hours and the temporary loss of electricity to 3000 people in the neighboring area.								
Wilkinson County								
Mc Intyre	25	2300EST			0	0		Hail (1.25)
The Wilkinson County 911 center reported dime, to quarter, to half-dollar size hail.								
Cobb County								
Powder Spgs to Kennesaw	26	1415EST 1427EST			0	0		Hail (1.00)
The public reported dime to quarter size hail.								
Cherokee County								
Ball Ground	26	1813EST			0	0		Hail (1.00)
The public reported nickel size hail.								
Pickens County								
Nelson	26	1813EST			0	0		Hail (0.88)
The public reported nickel size hail.								
Gilmer County								
Cherrylog	26	1829EST			0	0		Hail (0.75)
The public reported dime size hail.								
Dade County								
Trenton	26	1835EST			0	0		Hail (0.75)
The Dade County 911 center reported dime size hail.								
Murray County								
4 S Chatsworth	26	1840EST			0	0		Hail (1.00)

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
GEORGIA, North and Central									
An amateur radio operator reported quarter size hail near the intersection of U.S. Highway 411 and U.S. Highway 76.									
Murray County									
4 S Chatsworth	26	1840EST			0	0		Urban/Sml Stream Fld	
An amateur radio operator reported that U.S. Highway 411/Georgia Highway 61 was flooded near the U.S. Highway 411/U.S. Highway 76 split south of Chatsworth.									
Jasper County									
Monticello to 1 N Monticello	27	1415EST 1420EST			0	0		Hail (0.88)	
A storm spotter and the Jasper County 911 center reported dime to nickel size hail from Monticello to just north of Monticello.									
Jasper County									
1 N Monticello	27	1415EST 1420EST			0	0		Thunderstorm Wind (G52)	
A storm spotter estimated winds at 60 mph. However, no damage was reported.									
Jasper County									
Hillsboro	27	1445EST			0	0		Hail (0.75)	
The Jasper County 911 center reported dime size hail.									
Putnam County									
Willard to Eatonton	27	1450EST			0	0	1.5K	Thunderstorm Wind	
The Putnam County 911 center reported that nine trees were blown down in the western portion of the county, five on Georgia Highway 16 between Willard and Eatonton, five on Georgia Highway 142 near Willard, and two on U.S. Highway 441 near Eatonton.									
Putnam County									
Flat Rock	27	1510EST			0	0	0.25K	Tstm Wind/Hail	
The local Fire Department reported that one tree was blown down.									
Peach County									
Byron	27	1810EST 1820EST			0	0		Hail (1.00)	
The public reported quarter size hail.									
Bibb County									
Macon	27	1825EST			0	0		Hail (1.00)	
The public reported quarter size hail in Macon.									
Gwinnett County									
Buford to Sugar Hill	27	1915EST 1925EST			0	0		Hail (0.75)	
The public reported dime size hail.									
Hall County									
Gainesville	27	1925EST 1950EST			0	0		Urban/Sml Stream Fld	
The Gainesville police reported that several streets were flooded in Gainesville.									
Hall County									
Lula	27	1925EST			0	0		Hail (1.25)	
The Gainesville police department relayed a report of half-dollar size hail.									
Sumter County									
Americus	27	1930EST			0	0		Hail (0.75)	
The Sumter County Emergency Management Director reported dime size hail.									
Banks County									
4.5 WNW Silver Shoal	27	1945EST			0	0		Hail (0.75)	
The Banks County 911 center reported dime size hail at Wilson Shoals.									
Banks County									
4.5 WNW Silver Shoal	27	1945EST			0	0	0.50K	Thunderstorm Wind	
The Banks County 911 center reported that a few trees were blown down at Wilson Shoals.									
Hall County									
Gainesville	27	1830EST 2230EST			0	0	500K	Flash Flood	
The Gainesville Times newspaper reported that excess rainfall from thunderstorms, on the order of 4 or more inches during a two to three hour period, resulted in flooding of Flat Creek and the subsequent flooding of Downtowner Mobile Home Park on McConnell Road. Twenty-five mobile homes were damaged or destroyed by the flood waters. Flood waters rose up above the doors and windows of the mobile homes. In addition, several roads in Gainesville were flooded and a section of the Atlanta Highway had to be closed. On Thompson Bridge Road, a Publix Grocery Store was flooded by overflowing and blocked drains. However, water was only 4-5 inches deep in the store and little significant damage was reported here.									

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>GEORGIA, North and Central</u>								
Cherokee County								
Canton to Waleska	27	2130EST 2345EST			0	0	400K	Flash Flood
The Cherokee County Emergency Management Director, as well as the Atlanta Journal-Constitution and the Cherokee Tribune newspapers, reported that repeated slow-moving thunderstorms dumped excessive rainfall of over 4 inches in a 2 hour period across northern Cherokee County. The rain began around 9 pm EDT and continued until just after midnight, with the heaviest rain occurring between 9:30 pm EDT and midnight. The excessive rain caused flooding of creeks and several roads from Canton to Waleska. Puckett Creek flooded and washed out Shoal Creek Road, the only access road to the Rock Creek Estates subdivision in Canton, along with a six inch water main. Residents were left without water and no vehicle access to their subdivision for over 24 hours. In Waleska, residents on Sardis Road were left without drinking water for over 24 hours as yet another 6-inch water main was ruptured by the flood waters of a nearby creek. Other roads damaged include Fate Conn Road, with major damage to the shoulder, and Hickory Nut Road near Georgia Highway 140, with damage to the shoulder and drainage pipe. Debris caused by high water was also observed on several roads including Land, Worley, Smith, Long, Puckett Creek, Soap Creek, and Damascus Roads.								
Cherokee County								
Canton to Waleska	28	2135EST 2330EST			0	0	200K	Flash Flood
The Cherokee County Emergency Management Director, along with the Atlanta Journal-Constitution, reported that thunderstorms once again dumped excessive rainfall in a two to three hour period in some of the same areas of north and northwest Cherokee county that were affected the previous night. Additional rainfall amounts of 3 to 4 inches occurred in the Canton and Waleska areas. The temporary road that was constructed to replace that portion of Sardis Road washed out by Puckett Creek on Wednesday the 27th, was itself washed out by the flood waters from Puckett Creek. Sardis road is the only road access to the Rock Creek Estates subdivision. In addition, repairs to the water main were also delayed because of the additional flooding. Numerous other roads in the area were once again flooded causing damage, washing out drainage pipes, and covering the roads with debris. Georgia Highways 20 and 140 were both under water in several places. The excessive rainfall caused the Etowah river to crest near 18 feet, which is 1 foot above flood stage and the highest stage observed in over 3 years.								
Sumter County								
Americus	30	1615EST 1715EST			0	0	100K	Flash Flood
The Americus Times-Recorder reported that very heavy rain from a thunderstorm in a short period of time, one hour or less, resulted in flooding of roads. A 30 foot section of Railroad Street was completely washed out when the culvert pipe, running under the street, could not handle the volume of water. The water also snapped a PVC pipe nearly one foot in diameter that carried sewage. Several other roads were flooded but not damaged, including North Jackson Street, East Furlow Street, and Second Street.								
Sumter County								
Americus	30	1615EST			0	0	1K	Thunderstorm Wind
The Americus Times-Recorder reported that trees were knocked down by thunderstorm winds on Armory Drive, Barlow Street, and between Tabby Lane and Walnut.								
Cherokee County								
Arnold Mill	30	1825EST			0	0		Hail (0.75)
The Cherokee County 911 center reported dime size hail.								
Cherokee County								
Woodstock to Hickory Flat	30	1853EST 2001EST			0	0	58K	Flash Flood
The Cherokee County 911 center, as well as several residents of the county, reported flash flooding caused by thunderstorms with excessive rainfall. The heaviest rain occurred between 730 pm EDT and 900 pm EDT. These thunderstorms occurred a little further south than the thunderstorms that caused significant flooding in the Waleska and Canton areas the previous two days. This time, the heaviest rain was focused in the southern sections of the county from Hickory Flat, south to Woodstock and Arnold Mill. At least two roads were reported to have been washed out, including Georgia Highway 140 near Hickory Flat. Several creeks were out of their banks near Woodstock and Hickory Flat and water was observed in some basements at Hickory Flat.								
<u>GEORGIA, Northeast</u>								
Elbert County								
Dewey Rose	03	1527EST			0	0		Thunderstorm Wind (G50)
Sheriff's dispatcher reported 3 or trees blown down at her home. Lightning struck a nearby tree. Also, one tree uprooted at Deep Creek.								
Franklin County								
Royston	03	1530EST			0	0		Thunderstorm Wind (G50)
Public reported large limbs down. Also marble-sized hail and 2.5 inches of rain in one hour.								
Habersham County								
5 E Clarkesville	04	2155EST			0	0		Hail (1.00)
Spotter reported quarter-sized hail.								
Stephens County								
Toccoa	04	2210EST			0	0		Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
GEORGIA, Northeast								
Spotter reported nickel-sized hail.								
Franklin County								
Carnesville	13	1640EST			0	0		Thunderstorm Wind (G55)
Sheriff's department reported trees and power lines down across the county.								
Hart County								
Shoal Creek	13	1830EST			0	0		Thunderstorm Wind (G50)
Sheriff's department reported trees and power lines down.								
Elbert County								
Bowman	13	1917EST			0	0		Thunderstorm Wind (G50)
Sheriff's department reported trees and power lines down, causing a long-term power outage within the city limits.								
Stephens County								
Avalon	14	1328EST			0	0		Hail (0.75)
Sheriff's department relayed a report of dime-sized hail at Avalon.								
Habersham County								
Clarksville	14	1341EST			0	0		Hail (0.75)
Habersham County								
Clarksville	14	1341EST			0	0		Thunderstorm Wind (G60)
Roof torn off an office building, with numerous trees down across the city. Dime-sized hail also reported.								
Rabun County								
Clayton	25	1040EST			0	0		Hail (1.75)
Golfball-sized hail damaged cars in the parking lot of the emergency operations center.								
Hart County								
Bowersville	25	1430EST			0	0	15K	Lightning
Lightning traveled down two trees and killed 29 cows. Mother cows were laying with their legs sticking straight up in the air.								
Stephens County								
Toccoa	27	1830EST			0	0		Hail (0.88)
Nickel-sized hail, and 2.48 inches of rain, reported at Toccoa.								
GEORGIA, Southeast								
GAZ088-099>101-114>119-137>141	Screven - Candler - Bulloch - Effingham - Tattnall - Evans - Inland Bryan - Coastal Bryan - Inland Chatham - Coastal Chatham - Long - Inland Liberty - Coastal Liberty - Inland McIntosh - Coastal McIntosh							
	01	0000EST			0	0		Drought
	23	2359EST						
The month began under moderate drought conditions. After several soaking rains, drought conditions lessened to become near normal by the end of the month.								
Bulloch County								
Statesboro	03	1920EST			0	0		Thunderstorm Wind (G50)
Trees and power lines down countywide.								
Effingham County								
Rincon	05	1610EST			0	0		Lightning
Lightning struck the Family Health and Birth Center in Rincon causing a fire that did extensive damage.								
Chatham County								
Savannah	14	1653EST 1655EST			0	0		Thunderstorm Wind (G50)
Large limbs and a tree down on a car.								
Effingham County								
10 SW Rincon	21	1430EST			0	0		Hail (0.88)
Chatham County								
Savannah	25	1155EST			1	1		Lightning
Construction foreman was killed while trying to clear his crew from a construction site. After the bolt struck the foreman, it traveled through the ground and struck another worker, coming up through the ground into the leg of a 43 year old male worker.								
M500U								
Screven County								
3 S Sylvania	26	1335EST			0	0		Hail (0.88)
Bulloch County								
3 SE Stilson	26	1555EST			0	0		Hail (1.75)
Effingham County								
Marlow	26	1615EST 1618EST			0	0		Thunderstorm Wind (G50)
Trees and power lines down.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
GEORGIA, Southeast							
Chatham County							
2 E Thunderbolt to 1 E Thunderbolt	29	0940EST			0 0		Waterspout
Waterspout appeared to be moving ashore but dissipated before coming ashore.							
GEORGIA, Southwest							
Terrell County							
Sasser	04	1645EST 1710EST			0 0	50K	Thunderstorm Wind
Several downed trees on vehicles and homes. Reported by local media.							
Irwin County							
Irwinville	04	1800EST			0 0		Hail (0.75)
Dime size hail. Reported by the Irwin County EMA.							
Grady County							
Pine Park	05	1720EST			0 0	5K	Thunderstorm Wind
Numerous trees and power lines down. Reported by the Grady County EMA.							
Brooks County							
Countywide	11 12	2100EST 0300EST			0 0	250K	Flood
The remnants of Tropical Storm Allison dumped up to 10 inches of rain Monday night and early Tuesday morning. More than 50 county and secondary roads were impassable, with some washouts. U.S. Highway 84 was temporarily closed. A state of emergency was declared in Brooks County. Reported by the Brooks County EMA.							
Lowndes County							
Countywide	11 12	2100EST 0300EST			0 0	1M	Flood
The remnants of Tropical Storm Allison dumped up to 11 inches of rain Monday night and early Tuesday morning. Eight inches of rain fell in Valdosta. Numerous county roads and highways were closed, with numerous washouts. Six families on Martin Lane off of Quitman Road were evacuated from their homes. Numerous trees down in the Sugar Creek subdivision near Valdosta. Several bridges were damaged. A state of emergency was declared for Lowndes County. Reported by the Lowndes County EMA.							
Colquitt County							
Northwest Portion	14	1422EST 1430EST			0 0	5K	Thunderstorm Wind
Downed trees blocked Highway 37. Trees and power lines down along Sylvester Drive and Old Albany Way. Reported by a SKYWARN storm spotter.							
Decatur County							
Bainbridge	19	1830EST			0 0	15K	Thunderstorm Wind
Numerous trees down and a few roofs damaged. Reported by the Decatur County 911.							
Early County							
Blakely Early Co Arp to Blakely	19	1930EST			0 0	250K	Thunderstorm Wind
Several planes and buildings damaged at the airport. Reported by the Early County EMA.							
Grady County							
Whigham	21	2130EST			0 0	0.50K	Thunderstorm Wind
A few trees blocking the intersection of State Road 179 and U.S. Highway 84. Reported by the Grady County 911.							
Berrien County							
Countywide	22 23	1445EST 1455EST			0 0	10K	Thunderstorm Wind
Trees and power lines down on Old Valdosta Highway. Reported by the Berrien County Sheriff.							
Tift County							
Tifton	28	2030EST			0 0	10K	Lightning
Lightning struck the 911 communications tower in Tifton. Several power lines down along U.S. Highway 82 just east of Tifton. Reported by the Tift County Sheriff.							
HAWAII							
HIZ003-005>008							
Maui - Molokai - Lanai - West Hawaii Including Leeward Kohala And Kona - South Hawaii Including Kau							
	01 30	0000HST 2359HST			0 0		Drought

Maui County

In what has become a rare occurrence in recent months, most of the gages in Maui County reported near to above average rainfall totals. The caveat, though, is that "average" for June at most locations is low; so a decent shower or two will bring the monthly total

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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HAWAII

close to average. For example, the June total for Lahainaluna is 0.16 of an inch. Since the "normal" for the month is only 0.20, this total is 80 percent of that small average. Thus, for 2001 through the end of June, Maui County has been very dry with almost all totals below 50 percent of average.

Island of Hawaii

Leeward showers brought some relief to parched areas of Kona and South Kohala in June, especially from the 4th to the 6th. For the month of June, as a matter of fact, gages in the Kona districts reported near average rainfall. However, cumulative rainfall totals for the first six months of 2001 showed that most locations in the southern and western parts of the Big Island were in the 40 to 60 percent of average range.

The following list contains rainfall statistics for selected locations from Maui County and the island of Hawaii where there have been drought conditions. The first column is the observed rainfall for June. The second column is the 30-year average for each location, while the third column lists the percent of average for the month. The fourth and fifth columns are the year-to-date totals and percent of average, respectively.

	June 01	Avg.	%Avg.	YTD	YTD %Avg.
Maui					
Kihei	0.00	0.10	0	0.59	6
Lahainaluna	0.16	0.20	80	1.23	10
Kula	1.09	1.10	99	5.94	34
Ulupalakua	1.48	1.90	78	7.32	36
Molokai					
Kaunakakai	0.46	0.30	153	1.97	20
Kamalo	1.29	1.30	99	8.88	45
Lanai					
Lanai City	2.62	1.40	187	8.27	38
Island of Hawaii					
Honaunau	5.99	7.00	86	14.40	45
Kamuela (Upper)	2.14	3.00	71	11.89	37
Waiaha	6.10	8.60	71	15.26	42
Kahua Ranch	0.80	4.30	19	9.25	21
Kealahou	5.72	8.20	70	16.60	46

Drought conditions in parts of the Aloha State continue to harm agricultural and ranching interests. Some ranchers are wondering whether they should stay in the cattle business and are looking for other options. This includes Kahua Ranch, which will be the site of a wind farm being developed by Kahua Power Partners to generate 10 megawatts of electricity for the Big Island grid.

HIZ004-008

North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna - South Hawaii Including Kau

04 0800HST 0 0 High Surf
1800HST

A trade wind swell produced surf of 4 to 6 feet along the east-facing shores of the island of Hawaii.

Honolulu County

**Kahuku to
Kaneohe**

05 0535HST 0 0 Urban/Sml Stream Fld
0835HST

Heavy showers caused ponding of roadways and minor stream and drainage ditch flooding in windward sections of Oahu. No serious property damage or injuries were reported.

Maui County

**Maunaloa to
Lanai City**

05 1245HST 0 0 Urban/Sml Stream Fld
1515HST

Heavy showers and thunderstorms produced minor stream and drainage ditch flooding and ponding of roadways on the islands of Molokai, Lanai, and Maui. Also, small hail was reported at 3500-foot elevation near Olinda in Upcountry Maui. However, no serious injuries or property damage were reported.

Honolulu County

**Honolulu to
Wahiawa**

05 1511HST 0 0 Flash Flood
1600HST

An upper air low north of the Hawaiian Islands generated heavy showers and thunderstorms from southeast Oahu to central parts of the isle. Several roadways flooded to depths of 2 to 3 feet. Fast-moving water carried debris--mud and small rocks--onto a portion of

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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HAWAII

the H-1 Freeway, closing two of three west-bound lanes for a few hours in the middle and later afternoon. High-velocity water flow caused similar problems in Makiki Heights, Nuuanu, and Pearl City, according to county civil defense officials.

The heavy rains were likely a contributing factor in the death of a 50-year-old woman and the injury of a man in a collision between two vehicles on the H-2 Freeway near Mililani. The woman's car crossed a landscaped highway divider on the slick roadway and crashed into an oncoming van, injuring the male driver. The woman died at the scene.

Along with flash-flood conditions, small hail was reported at sea level at the Marine Corps Base Hawaii near Kaneohe. Lastly, lightning strikes knocked out power for more than 3500 customers of Hawaiian Electric.

Kauai County

Countywide

07	1900HST	0	0	Urban/Sml Stream Fld
08	0400HST			

Heavy showers caused minor stream and drainage ditch flooding and ponding of roadways. There were no reports of injuries or serious property damage.

HIZ001

Kauai

08	0700HST	0	0	High Surf
	1600HST			

A trade wind swell generated surf of 4 to 6 feet along the east-facing shores of Kauai.

HIZ001>006-008

Kauai - Oahu - Maui - North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna - Molokai - Lanai - South Hawaii Including Kau

11	0900HST	0	0	High Surf
13	1200HST			

A swell caused by a storm low in the Southern Hemisphere, in combination with a trade wind swell, produced surf of 4 to 6 feet along the south- and east-facing shores of all the Hawaiian Islands.

HIZ004-008

North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna - South Hawaii Including Kau

14	0800HST	0	0	High Surf
	1800HST			

A trade wind swell caused surf of 4 to 6 feet along the east-facing shores of the island of Hawaii.

HIZ002

Oahu

16	1300HST	0	0	High Surf
	1900HST			

A trade wind swell produced surf of 4 to 6 feet along the east-facing shores of Oahu.

HIZ002

Oahu

22	1000HST	0	0	High Surf
	1700HST			

A trade wind swell generated surf of 4 to 6 feet along the east-facing shores of Oahu.

Honolulu County

.5 NE Kaneohe

22	1800HST	0	0	Wild/Forest Fire
	2100HST			

A brush fire seared more than 30 acres of dry grassland near Marine Corps Base Hawaii. However, no serious property damage or injuries were reported.

Honolulu County

.5 S Waianae

23	1700HST	0	0	Wild/Forest Fire
	1900HST			

A fire burned more than 40 acres of brush in the vicinity of Mailiili Road just south of Waianae. The fire came within 100 yards of the Waianae Comprehensive Health Center and within 50 yards of three nearby homes. However, no residents were evacuated; and no serious injuries or property damage were otherwise reported.

HIZ001>005-008

Kauai - Oahu - Maui - North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna - Molokai - South Hawaii Including Kau

25	0800HST	0	0	High Surf
27	1800HST			

A trade wind swell caused surf of 5 to 8 feet along the east-facing shores of all the islands except Lanai.

IDAHO, Extreme Southeast

NONE REPORTED.

IDAHO, North

Clearwater County

Orofino

27	1510MST	0	0	Thunderstorm Wind (G57)
	1513MST			

Twelve miles north of Orofino, Dent RAWS station reported wind gust to 66 mph from thunderstorm. In Orofino, spotter reported wind gust to 50 mph with numerous tree branches blown down from thunderstorm.

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>IDAHO, Northwest</u>									
Shoshone County									
Calder	01	1600PST			0	0	5K	Thunderstorm Wind	
Power lines were blown down between Calder and the highway leading out of town. 18-inch cottonwood trees were also blown over.									
Shoshone County									
Osburn	01	1615PST			0	0	5K	Thunderstorm Wind	
Large trees and power lines were blown down.									
<u>IDAHO, Southeast</u>									
IDZ017>023-031>032 Eastern Magic Valley - Sawtooth Mountains - Upper Snake Highlands - Upper Snake River Plain - Lower Snake River Plain - South Central Highlands - Caribou Highlands - Big And Little Wood River Region - Lost River / Pahsimeroi									
	01	0000MST			0	0		Drought	
	30	0000MST							
Severe drought conditions continued through the month of June across southeast Idaho. The Idaho governor declared most counties in southeast Idaho drought emergency areas. Many streamflows and reservoir were less than 50 percent at the beginning of the month.									
Power County									
Pocatello Arpt	01	1844MST			0	0		Dry Microburst	
Dry microburst produced 59 mph wind gust at the Pocatello airport.									
IDZ021>023 Lower Snake River Plain - South Central Highlands - Caribou Highlands									
	02	2300MST			0	0		Extreme Cold	
	05	1000MST							
Extremely cold temperatures which occurred during the nights of June 2nd through the morning of June 5th brought a series of freezes to rural areas of southeastern Idaho. The freezes combined with drought conditions to damage a large portion of crop production. The Pocatello airport set an all-time record low of 29 degrees on the morning of the 5th. Rural areas in Bannock, Power, Caribou, and Oneida counties dropped to as low as the upper teens and lower 20s on the morning of the 5th. This was the third straight night of sub-freezing temperatures. Bannock County estimated a 65 percent loss of the first crop of hay and a 85 to 90 percent loss of fall wheat and a 75 percent loss of spring wheat. Caribou County reported a 50 percent loss of the hay crop and a 50 percent loss of dryland barley. No estimates of the amount of monetary damage is presently available.									
IDZ018>019-031>032 Sawtooth Mountains - Upper Snake Highlands - Big And Little Wood River Region - Lost River / Pahsimeroi									
	03	0600MST			0	0		Heavy Snow	
	04	1500MST							
A late spring storm brought heavy snowfall to elevations above 6,000 feet in the central mountains. Amounts ranged from 6 inches at Federal Hill in Fremont County to 10.5 inches at Galena Summit in Custer County at an elevation of 7,441 feet. .									
IDZ019-023 Upper Snake Highlands - Caribou Highlands									
	12	1200MST			0	0		Heavy Snow	
	13	1900MST							
Just a week before the official start of summer, a closed upper level low brought extremely cold weather to southeastern Idaho and heavy snow to the eastern mountains. From midday on the 12th through the evening of the 13th, snow amounts of over 6 inches were common in higher elevations above 5,800 feet. The towns of Macks Inn and Island Park received 7-8 inches of snow. Other amounts from SNOTEL sites were Sedgwick Peak with 7.5 inches, Last Chance with 12 inches, Antelope Flats with 8 inches, and White Elephant with 19 inches. Lighter amounts were common even in lower elevations with 2 inches in Dubois, 1 inch in Chester, 2.5 inches in Victor, 4 inches in Bone, 1 inch in Rigby, 5 inches in Driggs, 1 inch in Soda Springs, 3 inches in Kilgore, 2 inches 15 miles east of Rexburg, and up to 1 to 3 inches on the benches east of Pocatello. The Pocatello airport set a daily record for the minimum high temperature on June 13th, reaching only 48 degrees.									
<u>IDAHO, Southwest</u>									
Canyon County									
Caldwell	24	1300MST 2200MST			0	1		Wild/Forest Fire	
Winds gusting at 35 to 45 mph fanned a grassfire near a residential area in the foothills north of Star, ID, prompting the evacuation of 50 residents and the closure of local roads until the fire was brought under control late that evening. The fire burned 150 acres and two structures were destroyed, including one home. One firefighter was treated for smoke inhalation.									
<u>ILLINOIS, Central</u>									
Crawford County									
1 N Eaton	05	1500CST			0	0		Thunderstorm Wind (G50)	
Large tree blown down over road.									
Shelby County									
Countywide	05	1500CST			0	0		Flash Flood	
	06	0400CST							

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
ILLINOIS, Central								
Flooding was reported across the county during the period. The Little Wabash River went out of its banks, blocking several local roads east of Stewardson, as well as 3 miles southeast of Strasburg. Along US Highway 51, near Mowequa, water covered the road for several hours. A motorist drove into water up to his door handles. Illinois Route 128, west of Findlay was severely flooded during the overnight hours, and the highway was closed for part of Wednesday morning 6 miles north of Shelbyville at a railroad viaduct. In Shelbyville, basement flooding was reported along with the closure of Illinois Route 16 due to flood waters. A culvert was washed out on county road 1800 E, around 3 miles south of Shelbyville. County road 700 N, between Illinois Route 32 and Neoga were closed due to flooding as well. A Findlay observer reported over 3.5 inches of rain. A SWOP observer in Lakewood, reported flooding on county road 1300 E, two and a half miles south of county road 750 N as a result of a local creek going out of its banks. This same observer reported over an inch of rain falling in just 12 minutes. Rescue crews were called out twice during the event for motorists trapped in vehicles. No injuries were reported.								
Jasper County								
Countywide	05	1535CST 2230CST			0	0		Flash Flood
Illinois Route 49 from Hunt City to Yale was closed with 3 to 4 feet of water over the roadway. Numerous roads were flooded around the area, with some other closures. Reports of basement flooding were also received. Illinois Routes 49, 33, and 130, between Hidalgo and Newton, and the backtop between Illinois Route 130 and Illinois Route 49 were reported flooded during the evening.								
Cumberland County								
4 NE Neoga	05	1545CST 1830CST			0	0		Flash Flood
Water was reported over the roadway at the intersection of US Route 45 and Illinois Route 121.								
Clark County								
Martinsville	05	1550CST 1830CST			0	0		Flash Flood
Water was reported over US Route 40, near Martinsville.								
Crawford County								
Countywide	05	1600CST 1900CST			0	0		Flash Flood
Numerous rural roads and highways were reported flooding during the event. Illinois Route 1, north of Trimble, Illinois Route 33 between Willow Hill and the Fairview Drive-in and Illinois Route 1A between Trimble and Robinson were all reported as flooded. Signs were put up in the area to warn motorists, but the roads were not closed. Water was reported over the Yale Spur in the Bellair area.								
Effingham County								
Countywide	05	1600CST 1830CST			0	0		Flash Flood
Water was reported over roads across the county. Moccasin Road, around Effingham, was under water. US Route 45 north of Effingham and US Route 40 between Montrose and Teutopolis were under water.								
Clay County								
Flora	05	1720CST 1900CST			0	0		Flash Flood
Street flooding was reported in Flora, as well as water over many rural roads near Hord.								
Clay County								
Flora	05	1721CST			0	0		Hail (0.75)
Marshall County								
4 N Sparland	05	1730CST 1900CST			0	0		Flash Flood
Illinois Route 29, 4 miles north of Sparland, was closed when water was "radiator deep on a car".								
Richland County								
1 N Olney	05	1730CST 1900CST			0	0		Flash Flood
The Fox River went out of its banks during the event, roughly 1 mile north of Olney, resulting in water across portions of Illinois Route 130.								
Scott County								
Winchester	05	1829CST			0	0		Hail (0.75)
Scott County								
Countywide	05 06	1840CST 1100CST			0	0		Flash Flood

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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ILLINOIS, Central

A local creek that runs through Bluffs went over its banks. A few cars were reported to have been flooded. Illinois Route 100 as well as Naples Lane, west of Bluffs, were closed due to flooding. Numerous basements were flooded in the area of the creek, along with the local water and sewer plant receiving flooding. A portion of the Glasgow blacktop and Illinois Route 267 at Manchester were closed for a period of time due to Sandy Creek exceeding its levee. A housing complex in the county (location unknown) reported having 12 cars in its parking lot flooded. Illinois Route 106, just south of Winchester, was reported to have 8 to 12 inches of water over the roadway.

Morgan County

Countywide

06 0000CST 0900CST 0 0 Flash Flood

Water was reported over many roads in Waverly. Flooding was also occurring in and around Jacksonville, including US Route 67, south of Jacksonville. Mauvaiseterre Creek, east of Jacksonville, went over its banks, resulting in the closure of a few local roads. Water was also reported over Illinois Route 104, near Pisgah and Illinois Route 267, near Murrayville.

Tazewell County

Pekin

06 0158CST 0400CST 0 0 Flash Flood

Pekin reported several roads/bridges that crossed a local drainage ditch closed due to flooding. A few adjacent city roads were also closed due to high water.

Cass County

Ashland

06 0300CST 0430CST 0 0 Flash Flood

Flooding was reported in Ashland as a result of a tributary creek of the Little Indian Creek going over its banks due to heavy rain. Numerous roads were reported closed in town, with some basement flooding noted. Illinois Route 125 was open to traffic. No evacuations were needed.

Christian County

Countywide

06 0330CST 0700CST 0 0 Flash Flood

Flooding was reported on most of the roads across the county. Road closures were reported on County Road 4, two miles west of Mowequa (near the Christian/Shelbyville county line) and County Road 23 two miles north of Edinberg. Langleyville Road and Jim Daley Road were also closed during the overnight hours. A motorist was rescued around 515 AM CDT after driving through flood waters up to the floorboard of the vehicle.

Macon County

Countywide

06 0400CST 0700CST 0 0 Flash Flood

Reports of water over many county roads were received. Flooding was reported in Boody on Illinois Route 48, between Harvey City and Dalton City on County Highway 49 and on Illinois Route 121. More than a dozen basements were also flooded in Decatur.

Sangamon County

Divernon

06 0540CST 1100CST 0 0 Flash Flood

Brush Creek, which flows along the west side of Divernon, went out of its banks, resulting in widespread flooding and nearly 30 homes being evacuated around 2 AM CDT. Several people had to be rescued from their homes as the flood waters quickly filled in the natural flood plain of the creek, flooding numerous basements on the east side of town and entire homes on the west side of town, where water was reported to be as high as windows in a few locations. Railroad tracks in the area were washed out. No injuries or fatalities were reported. North and southbound Interstate 55 were closed for several hours south of the Illinois Route 104 junction, near Divernon, as a result of 18 to 24 inches of water over the highway. By 830 AM CDT, no additional flooding was reported. However, flood waters persisted in and around Divernon through 11 AM CDT. Flooding was also reported in Pawnee.

Schuyler County

Huntsville to Birmingham

14 1655CST 1657CST 0 0 Thunderstorm Wind (G50)

Numerous tree limbs and several small trees were blown down.

Knox County

3 SW Galesburg to Knoxville

14 1718CST 1730CST 0 0 Thunderstorm Wind (G50)

Thunderstorm winds blew down numerous trees, tree limbs and power lines on the south side of Galesburg and in Knoxville. Also, a couple of buildings sustained minor roof damage.

Fulton County

Cuba to Canton

14 1731CST 1800CST 0 0 Thunderstorm Wind (G50)

Several trees and power lines were blown down.

Peoria County

Countywide

14 1745CST 1826CST 0 0 Thunderstorm Wind (G51) M

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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ILLINOIS, Central

Numerous trees, tree limbs and power lines were blown down countywide. In Peoria, the top 40 feet of a 120 foot high communications tower was blown down. It caused roof damage to the building it was next to before landing on the road below it.

Mason County

Bath to
Manito

14 1750CST
1821CST

0 0

Thunderstorm Wind (G50)

Several large trees were blown down.

Stark County

Wyoming to
3 E Wyoming

14 1802CST
1807CST

0 0

Thunderstorm Wind (G50)

A two foot diameter tree was blown over. Also, an empty grain bin was partially caved in by the winds.

Tazewell County

Pekin to
Washington

14 1805CST
1830CST

0 0

Thunderstorm Wind (G50)

Numerous trees, tree limbs and power lines were blown down.

Marshall County

Camp Grove to
Lacon

14 1810CST
1831CST

0 0

Thunderstorm Wind (G50)

Numerous trees were blown over onto Illinois Route 40, near Camp Grove. Numerous tree limbs were blown down countywide.

Woodford County

Spring Bay to
Metamora

14 1828CST
1836CST

0 0

Thunderstorm Wind (G50)

A tree was blown down across the road in Spring Bay and several power lines were blown down in Metamora.

Fulton County

Marietta

17 0120CST

0 0

Hail (0.88)

Fulton County

Lewistown

17 0155CST

0 0

Thunderstorm Wind (G50)

Thunderstorm winds blew siding off of a house causing minor damage.

Tazewell County

1 SW Morton

17 2108CST

0 0

Hail (0.88)

Vermilion County

Ridge Farm to
Olivet

19 1615CST
1620CST

0 0

Thunderstorm Wind (G50)

Thunderstorm winds blew down numerous trees, tree limbs, power poles and lines, especially in the Ridge Farm area. In Ridge Farm, 3 homes sustained minor structural damage with major roof damage to a grade school.

Vermilion County

Countywide

19 1630CST
2042CST

0 0

Flash Flood

Numerous roads were reported flooded in spots, with a few impassable in Ridge Farm, Vermilion Grove, Olivet, Sidell and Georgetown.

Moultrie County

Lovington

19 1710CST

0 0

Hail (0.88)

Douglas County

Camargo

19 1720CST

0 0

Thunderstorm Wind (G50)

Numerous tree limbs were blown down.

Vermilion County

Allerton to
Danville

19 1725CST
1825CST

0 0

Thunderstorm Wind (G50)

A second storm moved through the county, causing widespread damage. In Sidell, two homes and a church sustained minor structural damage. Numerous trees, tree limbs and power lines were blown down in Allerton, Sidell, Georgetown, Westville and Danville.

ILLINOIS, Northeast

De Kalb County

De Kalb

05 0800CST

0 0

Lightning

Lightning struck a power line near Route 38 and Annie Glidden Road. 1,800 residents lost power.

La Salle County

Mendota

05 0900CST
1800CST

0 0

2K

Lightning

A bolt of lightning struck the Mendota city water tower. The lightning hit the aviation lights then came down through the electrical panel into the tower and blew out switches and phone lines. Two chemical feed bumps were burned.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
ILLINOIS, Northeast								
Livingston County								
Reading to Pontiac	05	1120CST 1430CST			0	0		Flash Flood
Iroquois County								
Watseka	05	1230CST 1430CST			0	0	25K	Flash Flood
Livingston County								
4 N Pontiac	06	0600CST 0800CST			0	0		Flash Flood
Heavy rainfall accompanied thunderstorms that moved across east central Illinois on June 5th and June 6th. Rainfall totals ranged from 3 to 6 inches from southern La Salle county across Livingston county, northern Ford county and Iroquois county. Some two day rainfall totals included 4.18 inches in Watseka, 3.38 inches in Pontiac, 3.33 inches in Streator and 3.17 inches in Piper City. Several Roads were closed due to flooding. Route 17 just west of route 23 in Reading was completely flooded underneath a bridge. The Vermilion River in Pontiac rose above its banks flooding city parks and backyards of many residents. Extensive flooding was reported at the Iroquois Mental Health Center in Watseka. A bridge on county road 2200 North and Illinois route 23 was reported to have several feet of water flowing over it.								
Boone County								
Belvidere	11	2210CST			0	0		Thunderstorm Wind (G50)
Winnebago County								
South Beloit	11	2210CST			0	0		Thunderstorm Wind (G61) M
Lake County								
Antioch to Barrington	11	2215CST 2255CST			0	0		Thunderstorm Wind (G57) M
Mchenry County								
Woodstock to Harvard	11	2225CST 2255CST			0	0		Thunderstorm Wind (G50)
Kane County								
Countywide	11	2230CST 2305CST			0	1	7K	Thunderstorm Wind (G50)
De Kalb County								
De Kalb	11	2245CST			0	0		Thunderstorm Wind (G50)
Cook County								
Barrington to Oak Lawn	11	2255CST 2359CST			0	0	15K	Thunderstorm Wind (G73) M
Du Page County								
Countywide	11	2300CST 2335CST			0	0		Thunderstorm Wind (G52) M
Du Page County								
Carol Stream	11	2305CST			0	0		Hail (1.25)
Will County								
Naperville to Crest Hill	11	2311CST 2340CST			0	0		Thunderstorm Wind (G57) M
Cook County								
Chicago	11	2320CST			0	0		Hail (0.75)
A large bow echo moved southeast from Wisconsin into northeast Illinois late on Monday June 11th. Wind speeds were measured as high as 84 mph in the city of Chicago at 2345 CST. Most damage was in the form of trees and limbs down, as well as power lines and utility poles down. Locations where these reports were received include: Belvidere in Boone county; Antioch and Highland Park in Lake county; Woodstock, Cary, Fox River Grove, and Harvard in McHenry county; across all of Kane county; De Kalb in De Kalb County; Barrington, Palos Hills, and Chicago in Cook county; across all of Dupage county; and Naperville and Plainfield in Will county.								
A large tree limb fell on a parked car with one man sitting inside the car in Elgin in Kane county at 2240 CST. The man suffered only minor injuries, but the car suffered significant damage. A roof was blown off of a building in Franklin Park in Cook county at 2300 CST. Over 100,000 customers were reported to have lost their power in the greater Rockford area. Power outages were common across all of northeast Illinois.								
Lee County								
Countywide	12	1112CST 1125CST			0	1	55K	Thunderstorm Wind (G65)
A weakening thunderstorm moved into western Lee county around 11 am CST on June 12th. Reports of wind speeds to 70 mph were received which knocked down trees, power lines, and utility poles across the entire county. One man suffered minor injuries when								

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

ILLINOIS, Northeast

the construction trailer he was in was blown over by high winds. A tree fell on a garage in Dixon causing minor damage. A large light stand fell at a park in Dixon. Over 20,000 residents lost power.

Lee County								
Dixon	14	1816CST			0	0		Thunderstorm Wind (G50)
La Salle County								
Triumph to Mendota	14	1825CST 1855CST			0	0	2K	Thunderstorm Wind (G55) M
Lee County								
Franklin Grove	14	1830CST			0	0		Hail (1.00)
Ogle County								
2 E Oregon to Rochelle	14	1830CST 1840CST			0	0		Thunderstorm Wind (G52) M
La Salle County								
7 W Streator	14	1835CST			0	0		Funnel Cloud
La Salle County								
Marseilles	14	1840CST			0	0		Hail (0.88)
Winnebago County								
Countywide	14	1840CST 1915CST			0	0	25K	Thunderstorm Wind (G55) M
Kendall County								
Newark	14	1850CST			0	0		Thunderstorm Wind (G50)
De Kalb County								
Kirkland	14	1915CST			0	0		Thunderstorm Wind (G50)
Mchenry County								
Harvard	14	1915CST			0	0		Thunderstorm Wind (G50)
Boone County								
Belvidere	14	1925CST			0	0		Thunderstorm Wind (G50)
Kane County								
Countywide	14	1925CST 1935CST			0	0		Thunderstorm Wind (G50)
Iroquois County								
Fountain Creek	14	1930CST			0	0	15K	Thunderstorm Wind (G55)
Will County								
New Lenox to Frankfort	14	1937CST 1950CST			0	0		Thunderstorm Wind (G52) M
Lake County								
2 N Lincolnshire to Lincolnshire	14	2005CST 2010CST			0	0		Thunderstorm Wind (G50)
Cook County								
Franklin Park to Matteson	14	2010CST 2015CST			0	0		Thunderstorm Wind (G50)

A line of thunderstorms developed in west central and northwest Illinois during the late afternoon and early evening of Thursday June 14th. This line raced eastward across north central and northeast Illinois. The main damage from this line of storms was in the form of trees and limbs down, as well as power lines and utility poles down. Locations where these reports were received include: Dixon in Lee county; Triumph and Mendota in La Salle county; Rochelle in Ogle county; across all of Winnebago county; Newark in Kendall county; Kirkland in De Kalb county; Harvard in McHenry county; Belvidere in Boone county; across all of Kane county; Frankfort in Will county; Lincolnshire in Lake county; and Franklin Park and Matteson in Cook county.

Windows were blown out of a house from high winds in Mendota in La Salle county at 1855 CST. A 100 foot tall tower was blown down in Rockford in Winnebago county at 1910 CST. A large tree limb crushed the roof and broke out the windshield of a car in Fountain Creek in Iroquois county at 1930 CST. Also in Fountain Creek, an electric box was ripped off a house when power lines came down and heavy wooden playground set was torn out of the ground and pushed into a fence. A utility pole with a transformer was blown down 2 miles north of Lincolnshire in Lake county at 2005 CST. About 12,000 customers lost power in the greater Rockford area with about 40,000 customers losing power in Chicago and the suburbs. Some funnel clouds were reported on the leading edge of the line of storms as it moved east. The thunderstorms weakened over northeast Illinois shortly after 8 pm CST. No injuries were reported from the storms.

ILZ014

Cook

17 2000CST 1 0 Excessive Heat

A 79 year old man died from heat stress in his home in Chicago. The high temperature on June 16th was 86 and the high

Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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June 2001

ILLINOIS, Northeast

temperature on the 17th was 87 degrees. Depoints both days were in the middle to upper 50s. M79PH

ILLINOIS, Northwest

Hancock County

Nauvoo

01 1715CST **0 0 40K** **Thunderstorm Wind**

Downburst winds produced a damage path that was 5 blocks long and 100 yards wide. The path of wind damage was from northwest to southeast from near Knight Street on Route 96 to near the Parley Street extension. The majority of the damage occurred to trees. Many of the trees were large, with several being uprooted. One newer brick building, with double doors, had one door blown off or damaged. The Nauvoo Family Motel had glass in the front door and glass and pictures in the lobby shattered by the wind. No injuries were reported.

Hancock County

5 E Carthage

01 1739CST **0 0** **Thunderstorm Wind (G52)**

Henry County

Galva

05 0140CST **0 0** **Hail (0.75)**

Penny sized hail reported by trained storm spotter.

Henry County

Kewanee

05 0900CST **0 0** **Heavy Rain**

Trained storm spotter reported 3.92 inches of rain between midnight and 11 a.m.

Henry County

Countywide

05 0936CST **0 0** **Flash Flood**

The Edwards River Bridge at the Andover/Woodhull blacktop was nearly impassable due to high water. Also, water was on Route 150 at Ophiem, while two feet of water covered a county road near Andover. County road 600E at Edwards River Road was closed due to high water.

Rock Island County

Port Byron

12 0942CST **0 0 2K** **Thunderstorm Wind**

Trees down in Byron Woods Subdivision. Reported by law enforcement.

ILZ009-009-009-009

Whiteside

12 1035CST **0 0** **High Wind (G69)**
1055CST

Several trees and power lines down throughout the county, including in Morrison, Tampico and Sterling. In Morrison, a grocery store outdoor stand was knocked down. A few sheds were also knocked down. Some roof damage was also reported in Morrison.

Event Summary for 6/12/01:

Scattered strong thunderstorms developed during the morning over Northwest Illinois, as a warm front lifted north into the region. The storms produced several reports of 45 to 50 mph winds and heavy rain. Once the storms began to diminish, something unusual happened, reports of strong winds began to increase. A strong pressure gradient developed in response to an intense meso-high. Strong non thunderstorm winds sustained at 40 to 50 mph, with a few gusts of 65 to 80 mph were reported. Whiteside County was hardest hit by the gradient winds, with widespread trees and power lines down. Significant damage was mainly confined to Morrison and Sterling-Rock Falls.

Rock Island County

Moline

14 1309CST **0 0** **Hail (0.88)**

Nickel sized hail reported by trained spotter near the intersection of 5th Street and 15th Avenue.

Rock Island County

Moline

14 1415CST **0 0** **Flash Flood**

Major street flooding reported by media.

Hancock County

Nauvoo

14 1555CST **0 0** **Thunderstorm Wind (G52)**

60 mph thunderstorm wind gusts reported by trained spotter.

Hancock County

Niota

14 1615CST **0 0** **Thunderstorm Wind (G61)**

Sustained thunderstorm winds of 60 mph, with gusts to 70 mph. Trees downed. Reported by trained spotter.

Hancock County

5 S Niota

14 1635CST **0 0** **Thunderstorm Wind (G52)**

Numerous trees downed by thunderstorm winds. Reported by media.

Henderson County

Gladstone

14 1635CST **0 0** **Thunderstorm Wind (G52)**

Trees downed by thunderstorm winds.

Henderson County

1 E Stronghurst

14 1638CST **0 0** **Thunderstorm Wind (G52)**

Tree and power line down along Illinois Route 94/96. Reported by law enforcement.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
ILLINOIS, Northwest								
Henderson County								
Stronghurst	14	1644CST			0	0		Thunderstorm Wind (G52)
Thunderstorm winds downed numerous trees and power lines. Reported by law enforcement.								
Rock Island County								
Illinois City	14	1645CST			0	0		Thunderstorm Wind (G52)
Thunderstorm winds downed trees and destroyed a garage over a two block area on the east side of town near 235th Street. Reported by media.								
Warren County								
Countywide	14	1645CST			0	0		Thunderstorm Wind (G61)
Thunderstorm winds downed numerous trees throughout the county.								
Rock Island County								
3 E Andalusia	14	1646CST			0	0		Flash Flood
Water on Illinois Route 92 near the Milan Beltway intersection. Reported by law enforcement.								
Mercer County								
2.5 SW Seaton	14	1650CST			0	0		Thunderstorm Wind (G52)
Thunderstorms winds damaged outbuildings on a farm southwest of Seaton. Reported by emergency management.								
Mcdonough County								
Blandinsville	14	1651CST			0	0		Thunderstorm Wind (G51) M
59 mph thunderstorm wind gust reported by trained spotter.								
Mcdonough County								
Macomb	14	1651CST			0	0		Thunderstorm Wind (G56) M
64 mph thunderstorm wind gusts downed trees four to six inches in diameter. Reported by trained spotter.								
Mercer County								
Countywide	14	1655CST			0	0		Thunderstorm Wind (G61)
Thunderstorm wind gusts to 70 mph downed numerous power lines. Reported by law enforcement.								
Mcdonough County								
Macomb	14	1700CST			0	0		Thunderstorm Wind (G52)
Thunderstorm winds downed trees and power lines.								
Rock Island County								
Moline	14	1700CST			0	0		Thunderstorm Wind (G52)
60 mph thunderstorm wind gust reported by trained spotter.								
Rock Island County								
Rock Is	14	1700CST			0	0		Thunderstorm Wind (G61)
Thunderstorm winds damaged numerous houses. Reported by fire and rescue officials.								
Mercer County								
Seaton	14	1705CST			0	0		Thunderstorm Wind (G61)
Thunderstorm winds downed trees over a two-block wide area. Reported by emergency management.								
Henderson County								
2 S Stronghurst	14	1710CST			0	0		Thunderstorm Wind (G61)
Thunderstorm wind gusts to 70 mph destroyed a shed and downed numerous large trees. Reported by trained spotter.								
Henry County								
3 N Geneseo	14	1725CST			0	0		Thunderstorm Wind (G52)
Thunderstorm winds snapped four to six inch tree limbs. Reported by off-duty NWS employee.								
Henry County								
Galva	14	1730CST			0	0		Thunderstorm Wind (G52)
Thunderstorm winds downed large trees in Wiley Park. Reported by trained spotter.								
Henry County								
Galva	14	1735CST			0	0		Thunderstorm Wind (G52)
Thunderstorm winds blew trees onto a house. Reported by emergency management.								
Stephenson County								
Freeport	14	1735CST			0	0		Thunderstorm Wind (G61)
Thunderstorm winds to 70 mph snapped the top halves of trees that were 1.5 feet in diameter. Reported by trained spotter.								
Henry County								
Galva	14	1800CST			0	0		Thunderstorm Wind (G52)
Thunderstorms winds produced significant tree damage. Reported by trained spotter.								
Bureau County								
Princeton	14	1805CST			0	0		Thunderstorm Wind (G52)
Thunderstorm winds downed large tree limbs and power lines. Reported by trained spotter.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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ILLINOIS, Northwest

Bureau County

Walnut **14** **1805CST** **0** **0** **Thunderstorm Wind (G52)**
Thunderstorm winds downed large tree limbs and power lines. Reported by trained spotter.

Carroll County

Mt Carroll **14** **1807CST** **0** **0** **Thunderstorm Wind (G52)**
Thunderstorm winds blew a tree down over Illinois Route 78, and downed power lines. Reported by trained spotter.

Carroll County

7 NW Mt Carroll **14** **1808CST** **0** **0** **Thunderstorm Wind (G52)**
Thunderstorm winds destroyed a large machine shed and snapped large tree limbs. Reported by trained spotter.

Bureau County

Princeton **14** **1815CST** **0** **0** **Thunderstorm Wind (G52)**
Thunderstorm winds downed power lines, causing widespread outages in the city. Reported by emergency management.

Stephenson County

Pearl City **14** **1820CST** **0** **0** **Thunderstorm Wind (G64)** ^M
74 mph thunderstorm gust measured by handheld anemometer. Reported by trained spotter.

Stephenson County

Pearl City **14** **1820CST** **0** **0** **Thunderstorm Wind (G61)**
Thunderstorm winds snapped six to ten inch diameter limbs. Reported by trained spotter.

Stephenson County

Freeport **14** **1845CST** **0** **0** **Thunderstorm Wind (G61)**
Thunderstorm winds snapped six to ten inch diameter tree limbs and destroyed a shed. Reported by trained spotter.

Summary of 6/14/01 event:

A thunderstorm complex developed over north central Missouri and south central Iowa during the early afternoon hours. The complex quickly evolved into a squall line/bow echo that swept over much of the NWS Quad Cities County Warning Area, which includes eastern Iowa, northwest and west central Illinois, and far northeast Missouri. Numerous funnel clouds and two confirmed tornadoes developed along the leading edge of the line. Three people suffered minor injuries during one of the tornadoes, and two people were injured when straight line winds blew their semi-trailer trucks over. There were no fatalities. There was widespread straight-line wind damage, along with isolated downbursts and large hail. Wind gusts up to 80 mph were reported.

ILLINOIS, South

Jefferson County

Mt Vernon **05** **1755CST** **0** **0** **Thunderstorm Wind (G50)**
Several large tree limbs were blown down in the city.

Perry County

Willisville **05** **1800CST** **0** **0** **Thunderstorm Wind (G52)**
A trained spotter estimated winds up to 60 MPH.

Jefferson County

Mt Vernon **05** **1810CST**
 1945CST **0** **0** **Flash Flood**
Street flooding occurred in Mount Vernon as a result of thunderstorms which dropped copious rainfall.

Wayne County

Fairfield **05** **1848CST** **0** **0** **Thunderstorm Wind (G50)**
Several trees were down in the Fairfield area, mainly in Jasper Township.

Wayne County

Fairfield **05** **1910CST**
 2019CST **0** **0** **Flash Flood**
A thunderstorm which dumped an inch and a half of rain in 30 minutes flooded downtown Fairfield streets.

ILZ084

Jackson

06 **1000CST** **0** **0** **Flood**
18 **0800CST**

The Big Muddy River rose above flood stage at the Murphysboro gage, mainly due to backwater effects from the flooding Mississippi River. The crest of 21.74 feet, about six feet over flood stage, occurred on June 12. This resulted in minor flooding of bottomlands.

ILZ084-088-092

Jackson - Union - Alexander

08 **1400CST** **0** **0** **Flood**
17 **0900CST**

Heavy rains across the Missouri River basin and parts of the Mississippi River basin caused rises on the Mississippi River. Thebes crested about 5 feet above flood stage on the 12th. The river was slow to fall, finally going below flood stage at Thebes on the 17th. This was short-lived, as another round of heavy rains in the above-mentioned basins caused another crest on the 27th. Thebes crested about a foot below flood stage this time. The first crest on June 12 resulted in moderate flooding that was primarily agricultural.

Storm Data and Unusual Weather Phenomena

June 2001

								June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
ILLINOIS, South								
ILZ092								
		Alexander						
	10	1100CST			0	0		Flood
	14	2300CST						
	Backwater on the Ohio River caused the stage at Cairo to rise slightly above flood stage. The backwater was from the Mississippi River, which was above flood stage. At Cairo, the crest of 40.89 feet occurred at midnight on the 13th. Flood stage is 40 feet.							
Hardin County								
5 N Elizabethtown	20	1300CST			0	0		Hail (0.75)
	A ranger's office in the Shawnee National Forest reported dime size hail.							
Massac County								
Midway	27	1425CST			0	0		Thunderstorm Wind (G50)
	Trees were down near Midway and Devers Road.							
Jackson County								
4 S Carbondale to 1 S Carbondale	30	1400CST			0	0		Thunderstorm Wind (G52)
	Numerous large tree limbs, along with a few whole trees, were blown down.							
ILLINOIS, Southwest								
ILZ079-099>102								
		Randolph - Jersey - Madison - St. Clair - Monroe						
	04	0500CST			0	0		Flood
	22	1700CST						
	Fed primarily by water from a flooding Missouri River, the Mississippi River from its confluence with the Missouri south to Chester, Il also flooded. On average, the river crested about 6 feet over flood stage at most locations. Many roads along the river were flooded as was farmland on the inside of levees. All levees along the river held and none were overtopped. Parts of the floodgate along the river in St. Louis were closed, primarily as a precaution and to keep people out of the flooded riverfront streets.							
Randolph County								
Evansville	05	1715CST			0	0		Thunderstorm Wind (G55)
	Thunderstorm wind gusts downed some power poles and power lines.							
Randolph County								
Sparta	05	1731CST			0	0		Hail (0.88)
	Storm spotters reported nickel size hail in Sparta.							
Adams County								
Richfield	05	1815CST			0	0		Thunderstorm Wind (G52)
	Local law enforcement reported trees down in the Richfield area.							
Greene County								
Countywide	06	0300CST			0	0		Flash Flood
Macoupin County								
Countywide	06	0300CST			0	0		Flash Flood
	Four to six inches of rain caused flash flooding in northeast Greene and north Macoupin Counties. Apple Creek overflowed and flooded some roads in northeast Greene County. In Macoupin County, streets, basements, state roads, and even a golf course, were inundated. Route4 between Virden and Girard was flooded. In Virden, 3 to 4 feet of water was reported in the Whispering Pines Mobile Home Park. The Virden Police reported that about 60 percent of the homes in town had flooding problems. Many basements had at least 3 feet of water inside.							
Adams County								
Quincy	14	1625CST			0	0		Thunderstorm Wind (G55)
	The County Sheriff Department reported numerous limbs or trees down in Quincy. Several vehicles were damaged by the downed trees.							
Madison County								
Bethalto	14	2130CST			0	0		Thunderstorm Wind (G50)
	Thunderstorm wind gusts caused scattered damage across the Bethalto area. Trees and large limbs were downed across town many of which fell on vehicles causing damage. At least one garage was heavily damaged by a downed tree. Downed electric lines knocked out power to about 1000 people.							
Madison County								
Collinsville	14	2145CST			0	0		Thunderstorm Wind (G52)
	Thunderstorm wind gusts caused scattered damage across Collinsville. Trees and power lines were downed leaving about 2500 customers without power.							
ILZ101								
		St. Clair						
	19	1500CST			1	0		Excessive Heat
	An Alorton man was found dead in his home. The County Coroner ruled the cause of death as heat exhaustion. The temperature inside the house was well over 100 degrees. High temperatures on the 17th and 18th were in the lower to middle 90s with the Heat Index around 100.							
	M58PH							

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
ILLINOIS, Southwest							
Calhoun County							
Hardin	19	1710CST			0	0	Thunderstorm Wind (G50)
Thunderstorm wind gusts damaged a few outbuildings in the Hardin area.							
INDIANA, Central							
Sullivan County							
Carlisle	05	1645EST 1647EST			0	0	Hail (1.00)
Greene County							
Jasonville	05	1743EST 1745EST			0	0	Thunderstorm Wind (G50)
Daviess County							
12 NE Cannelburg to 7 NE Cannelburg	05	1829EST 1831EST			0	0	10K Thunderstorm Wind (G60)
Owen County							
5 N Gosport	05	1839EST 1841EST			0	0	Thunderstorm Wind (G50)
Lawrence County							
2 S Bedford	05	1900EST 1902EST			0	0	Thunderstorm Wind (G50)
Martin County							
Loogootee	05	1900EST 1902EST			0	0	Thunderstorm Wind (G50)
Monroe County							
2 NE Hindustan	05	1913EST 1915EST			0	0	Thunderstorm Wind (G50)
Brown County							
8 W Nashville	05	1920EST 1922EST			0	0	Thunderstorm Wind (G50)
Bartholomew County							
5 W Columbus	05	1945EST 1947EST			0	0	Thunderstorm Wind (G50)
A squall line moved across south central Indiana with numerous reports of trees down. A mobile home and barn were also damaged in Daviess County.							
Putnam County							
Countywide	06	0440EST 0730EST			0	0	Flash Flood
Parke County							
East Portion	06	0700EST 0730EST			0	0	Flash Flood
Hendricks County							
West Portion	06	0730EST 0800EST			0	0	Flash Flood
Several thunderstorm cells trained across west central Indiana producing 2 to 3 inch rainfall totals in less than 3 hours. Numerous streets water covered and many small streams out of their banks.							
INZ028>029-035-043>044-051-060							
Warren - Tippecanoe - Fountain - Vermillion - Parke - Vigo - Sullivan							
	06	0800EST			0	0	Flood
	11	0300EST					
Heavy rain of 4 to 6 inches on the 5th caused minor flooding along the Wabash River from Lafayette to Riverton. Agricultural bottomland, county roads and other low lying areas were effected. Lafayette crested at 13.67 feet (flood stage is 11 feet) on the 7th. Covington crested at 17.11 feet (flood stage is 16 feet) on the 8th. Montezuma crested at 16.16 feet (flood stage is 14 feet) on the 8th. Terre Haute crested at 14.19 feet (flood stage is 14 feet) on the 9th. Hutsonville crested at 16.6 feet (flood stage is 16 feet) on the 10th and finally, Riverton crested at 15.55 feet (flood stage is 15 feet) on the 10th.							
INZ072							
Jennings							
	06	1200EST			0	0	Flood
	07	2300EST					
2 to 4 inches of rain fell on the 6th causing the Muscatatuck River to come out of its bank. The river reached 18.8 feet (flood stage is 15 feet) at Deputy on the 7th at 3 am.							

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
INDIANA, Central								
INZ045								
Putnam								
	06	1200EST			0	0		Flood
	08	1200EST						
Heavy rain on the 5th caused minor flooding along Big Walnut Creek near Reelsville. The creek crested at 14.79 feet (flood stage is 12 feet) on the early morning of the 7th. Agricultural bottomland, a campground and a few cabins were effected.								
Putnam County								
4 NE Cloverdale	11	1535EST 1540EST			0	0		Hail (1.00)
1 inch hail reported near Interstate 70.								
Madison County								
4 N Alexandria to Summitville	11	1819EST 1832EST			0	0		Hail (1.50)
Madison County								
3 N Alexandria	11	1837EST 1839EST			0	0		Hail (1.00)
Trained spotter and amateur radio operator reported prolonged period of large hail.								
Delaware County								
3 SE Bethel	12	1740EST 1742EST			0	0		Thunderstorm Wind (G50)
Madison County								
6 W Anderson	12	2008EST 2010EST			0	0		Thunderstorm Wind (G56)
Madison County								
6 SW Anderson	12	2016EST 2018EST			0	0		Thunderstorm Wind (G50)
Henry County								
Kennard	12	2045EST 2047EST			0	0		Hail (0.75)
Rush County								
7 NW Rushville	12	2115EST 2117EST			0	0		Thunderstorm Wind (G50)
Henry County								
Knightstown	12	2120EST 2122EST			0	0		Thunderstorm Wind (G50)
Multicell thunderstorms produced downed trees and large hail across the eastern part of the IND CWA.								
Madison County								
Anderson	15	1400EST 1402EST			0	0		Thunderstorm Wind (G50)
Trees were downed as a squall line moved across Anderson.								
Tippecanoe County								
Colburn	19	1605EST 1607EST			0	0		Thunderstorm Wind (G50)
Daviess County								
2 WSW Plainville	19	1715EST 1717EST			0	0		Hail (1.00)
Carroll County								
Delphi	19	1718EST 1720EST			0	0		Thunderstorm Wind (G50)
Fountain County								
Covington	19	1730EST 1732EST			0	0		Hail (1.75)
Carroll County								
Delphi	19	1740EST 1742EST			0	0		Thunderstorm Wind (G50)
Vermillion County								
3 N Cayuga	19	1755EST 1757EST			0	0		Thunderstorm Wind (G50)
Greene County								
Lyons	19	1810EST 1812EST			0	0		Hail (1.75)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
INDIANA, Central									
Greene County									
Bloomfield to Calvertville	19	1830EST 1840EST			0	0		Hail (1.00)	
Monroe County									
Kirksville	19	1840EST 1842EST			0	0		Hail (0.88)	
Greene County									
Bloomfield	19	1850EST 1852EST			0	0	3K	Thunderstorm Wind (G60)	
Monroe County									
Bloomington	19	1920EST 1922EST			0	0		Hail (0.75)	
Lawrence County									
Bedford	19	1945EST 1947EST			0	0		Thunderstorm Wind (G50)	
Brown County									
Spearsville	19	1955EST 1957EST			0	0		Thunderstorm Wind (G50)	
Johnson County									
Trafalgar	19	1958EST 2000EST			0	0		Hail (0.88)	
Owen County									
8 NE Spencer	19	2000EST 2002EST			0	0		Thunderstorm Wind (G50)	
Rush County									
Arlington	19	2019EST 2021EST			0	0		Thunderstorm Wind (G50)	
Johnson County									
Whiteland	19	2020EST 2022EST			0	0		Thunderstorm Wind (G50)	
Shelby County									
Morristown to Gwynneville	19	2020EST 2022EST			0	0		Thunderstorm Wind (G50)	
Bartholomew County									
7 SW Columbus	19	2030EST 2032EST			0	0		Thunderstorm Wind (G50)	
Shelby County									
6 NE Shelbyville	19	2055EST 2057EST			0	0		Thunderstorm Wind (G50)	
Rush County									
7 WNW Rushville	19	2100EST 2102EST			0	0		Thunderstorm Wind (G50)	
Separate clusters of severe thunderstorms laid a path of downed trees and power lines as well as large hail across central Indiana. Two trees fell on a 1992 Grand Am in Bloomfield totalling it.									
Carroll County									
Flora	19	1630EST			0	0	70K	Lightning	
Lightning struck a house and ignited a fire that destroyed an upstairs level. No one was injured.									
Johnson County									
Franklin	19	2100EST			0	0	425K	Lightning	
Lightning struck a \$425,000 house destroying it.									
Lawrence County									
Bedford	20	0400EST 0500EST			0	0		Urban/Sml Stream Fld	
Minor street flooding reported.									
Greene County									
2 S Owensburg	21	1909EST			0	0	30K	Tornado (F0)	
A weak tornado briefly touched down and caused roof and wall damage to a single house.									

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
INDIANA, Northeast									
St. Joseph County									
South Bend	11	0115EST			0	0	0	Thunderstorm Wind	
			Large trees down blocking road						
La Porte County									
La Porte	11	0135EST			0	0	0	Thunderstorm Wind	
			Large trees uprooted in La Porte						
La Porte County									
Westville	11	0140EST			0	0	2K	Thunderstorm Wind	
			Large tree fell on vehicle, intersection of Plain and Washington. Road closed much of day.						
La Porte County									
La Porte	12	0030EST			0	0	10K	Thunderstorm Wind	
			Large tree crushed a garage and 1991 Cadillac Seville parked inside.						
La Porte County									
La Porte	12	0030EST			0	0	1K	Thunderstorm Wind	
			Back end of 1987 Toyota damaged by large tree branch.						
La Porte County									
Michigan City	12	0030EST			0	0	0	Thunderstorm Wind (G52)	
			Trees down in Michigan City. Ham reports 60 MPH gust.						
La Porte County									
Michigan City	12	0030EST			0	1	15K	Thunderstorm Wind	
			Trees fell on 3 houses causing damage. Girl sleeping in one of the homes suffered broken arm when tree fell into bedroom.						
La Porte County									
La Porte Arpt	12	0040EST			0	0	0	Thunderstorm Wind (G54)	M
La Porte County									
Wanatah	12	0040EST			0	0	2K	Thunderstorm Wind	
			150 FT field irrigation system blown from field north side of U.S. 30 across highway.						
St. Joseph County									
South Bend	12	0056EST			0	0	0	Thunderstorm Wind	
			Trees and power lines down in South Bend.						
Marshall County									
Plymouth	12	0120EST			0	0	3K	Thunderstorm Wind	
			Large tree fell near home,knocked down two NIPSCO power poles.						
Starke County									
North Judson	12	0125EST			0	0	0	Thunderstorm Wind	
			Power lines down in North Judson.						
Starke County									
3 W North Judson	12	0125EST			0	0	0	Thunderstorm Wind	
			Trees down.						
Kosciusko County									
4 NNE North Webster	12	0130EST			0	0	0	Thunderstorm Wind (G60)	M
			60 mph wind gust measured by Off-Duty NWS employee.						
Elkhart County									
1 SW Elkhart	12	0135EST			0	0	0	Thunderstorm Wind	
			Trees down						
Marshall County									
Countywide	12	0135EST 0145EST			0	0	10K	Thunderstorm Wind	
			Several trees, power lines and power poles down across the county.						
Elkhart County									
2 SW Waterford Mills	12	0138EST			0	0	1.5K	Thunderstorm Wind	
			Tree down on car.						
Elkhart County									
Goshen	12	0140EST			0	0	10K	Thunderstorm Wind	
			Five utility poles snapped, numerous car windows broken by fallen tree limbs, Ford Pinto crushed by tree.						
Fulton County									
Countywide	12	0140EST 0145EST			0	0	0	Thunderstorm Wind	
			Trees and power lines down especially in eastern part of county.						

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
INDIANA, Northeast							
Pulaski County							
Winamac	12	0140EST			0	0	Thunderstorm Wind
			Trees and power lines down. Reported by COOP Observer.				
Kosciusko County							
1 NE North Webster	12	0145EST			0	0	Thunderstorm Wind
			Large tree branches down.				
Kosciusko County							
3 WSW North Webster	12	0145EST			0	0	5K
			Large tree limb down on house.				
Lagrange County							
Countywide	12	0145EST 0155EST			0	0	0
			Trees and power lines down scattered throughout the county.				
Noble County							
Ligonier	12	0145EST			0	0	15K
			Thunderstorm Wind				
			Utility poles and large trees down. Minor damage to several homes, uprooted trees destroyed some sidewalks.				
Kosciusko County							
2 SW North Webster	12	0146EST			0	0	3K
			Thunderstorm Wind				
			Several large trees down and boat piers blown onshore in Mead Park.				
Kosciusko County							
North Webster	12	0147EST			0	0	20K
			Thunderstorm Wind				
			Large tree down crushed side of small house.				
Steuben County							
Orland	12	0155EST			0	0	0
			Thunderstorm Wind				
			Trees and power lines down.				
Noble County							
Albion	12	0200EST			0	0	
			Thunderstorm Wind (G61)				
			Trees down.				
Noble County							
Kendallville	12	0200EST			0	0	0
			Thunderstorm Wind				
			Trees snapped and uprooted.				
De Kalb County							
1 N Garrett	12	0203EST			0	0	5K
			Thunderstorm Wind				
			Mobile home blown off foundation. Roof damage to some homes.				
De Kalb County							
Butler	12	0205EST			0	0	0.75K
			Thunderstorm Wind				
			Roof blown off porch of house.				
Whitley County							
Tri Lakes	12	0205EST			0	0	0.50K
			Thunderstorm Wind				
			Large limbs down on car.				
Cass County							
Countywide	12	0210EST 0220EST			0	0	0
			Thunderstorm Wind				
			Numerous trees down especially in northern and central part of county.				
Steuben County							
Countywide	12	0210EST 0220EST			0	0	0
			Thunderstorm Wind				
			Trees down across the county.				
Wabash County							
Countywide	12	0210EST 0220EST			0	0	0
			Thunderstorm Wind				
			Trees and power lines down especially in northern part of county.				
White County							
Monticello	12	0210EST			0	0	0
			Thunderstorm Wind				
			Trees down				
Allen County							
Countywide	12	0215EST 0245EST			0	0	0
			Thunderstorm Wind				

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
INDIANA, Northeast								
Steuben County								Widespread trees and power lines down across the county.
2 SW Angola	12	0215EST			0	0	1K	Thunderstorm Wind
								Older barn flattened and windows broken out of home on Golden Lake.
Huntington County								
Roanoke	12	0220EST			0	0	0	Thunderstorm Wind
								Power lines down
White County								
Chalmers	12	0220EST			0	0	0	Thunderstorm Wind
								Large limbs down.
Miami County								
4 W Peru	12	0230EST			0	0	3K	Thunderstorm Wind
								Large tree and telephone poles down.
Wells County								
Ossian	12	0230EST			0	0	0	Thunderstorm Wind
								Large tree limbs down.
Wells County								
1 SW Bluffton	12	0245EST			0	0	0	Thunderstorm Wind
								Tree down
Wells County								
1 SE Bluffton	12	0245EST			0	0	0	Thunderstorm Wind
								Power line down
Grant County								
Hanfield	12	0250EST			0	0	0	Thunderstorm Wind
								Power lines down
Grant County								
Marion	12	0300EST			0	0	0	Thunderstorm Wind
								Power lines down
Grant County								
5 SW Marion	12	0310EST			0	0	0	Thunderstorm Wind
								Two trees down.
Jay County								
Countywide	12	0315EST			0	0	0	Thunderstorm Wind
								Trees down across the county
Allen County								
Woodburn	13	1724EST			0	0		Hail (1.75)
Allen County								
3 NW Woodburn	13	1735EST			0	0		Hail (0.75)
Whitley County								
3 SE South Whitley	19	1600EST			0	0		Hail (0.75)
Whitley County								
5 NE South Whitley	19	1614EST			0	0		Hail (0.88)
Allen County								
7 NW Ft Wayne	19	1640EST			0	0		Hail (0.75)
Kosciusko County								
Pierceton	19	1640EST			0	0		Hail (0.75)
Allen County								
2 S Huntertown	19	1644EST			0	0		Hail (0.88)
Allen County								
5 NNW Ft Wayne	19	1650EST			0	0		Hail (0.88)
Whitley County								
5 S Columbia City	19	1650EST			0	1		Lightning
								12 year old girl struck by lightning. Treated and released from hospital.
Allen County								
7 N Ft Wayne	19	1654EST			0	0		Hail (1.00)
Whitley County								
Churubusco	19	1655EST			0	0		Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
INDIANA, Northeast							
Miami County							
Mexico	19	1659EST			0	0 2.5K	Thunderstorm Wind
			Numerous trees down. One house damaged.				
Allen County							
5 NW Ft Wayne	19	1700EST			0	0	Hail (0.88)
Cass County							
Logansport	19	1700EST			0	0	Thunderstorm Wind
			Numerous trees down.				
Allen County							
2 E Ft Wayne	19	1702EST			0	0	Hail (1.00)
Noble County							
2 SE Wolflake	19	1714EST			0	0	Thunderstorm Wind
			Trees down on CR 250W.				
Whitley County							
3 W Etna	19	1727EST			0	0	Thunderstorm Wind
			Trees down.				
Whitley County							
5 N Larwill	19	1727EST			0	0	Thunderstorm Wind
			Trees down.				
Allen County							
Ft Wayne	19	1730EST			0	0	Thunderstorm Wind
			Power lines down.				
Kosciusko County							
2 N Piercetown	19	1742EST			0	0	Hail (0.75)
Noble County							
2 NE Rome City	19	1744EST			0	0	Thunderstorm Wind
			Trees and power lines down.				
Whitley County							
Churubusco	19	1744EST			0	0	Hail (1.00)
Allen County							
Ft Wayne	19	1745EST			0	0	Hail (0.88)
Wabash County							
2 N Disko	19	1745EST			0	0	Hail (1.75)
Noble County							
Rome City	19	1747EST			0	0 5K	Thunderstorm Wind
			Utility pole down on house.				
Noble County							
Rome City to 3 S Rome City	19	1755EST			0	0	Hail (1.75)
Whitley County							
3 S Columbia City	19	1756EST			0	0	Thunderstorm Wind
			Trees down.				
Allen County							
Ft Wayne	19	1758EST			0	0	Hail (1.00)
Allen County							
2 E Ft Wayne	19	1802EST			0	0	Hail (1.00)
Steuben County							
Crooked Lake	19	1810EST			0	0	Hail (0.75)
Steuben County							
Crooked Lake	19	1813EST			0	0 10K	Thunderstorm Wind
			Trees and power lines down. NIPSCO had some broken utility poles.				
De Kalb County							
Butler	19	1820EST			0	0	Hail (1.00)
Steuben County							
Crooked Lake	19	1833EST			0	0	Thunderstorm Wind
			Trees and power lines down.				
Kosciusko County							
5 W North Webster	19	1842EST			0	0	Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage	Property	Crops	Character of Storm
INDIANA, Northeast									
Large tree blown down on Armstrong Rd.									
Noble County									
Kendallville	19	1900EST			0	0	13.5K		Lightning
Lightning strikes caused fires at 2 homes.									
Lagrange County									
Ontario	19	1904EST			0	0			Hail (1.75)
INDIANA, Northwest									
Benton County									
1 NW Earl Park	05	1250EST 1400EST			0	0			Flash Flood
Newton County									
Kentland	06	0730CST 0900CST			0	0			Flash Flood
Heavy rainfall accompanied thunderstorms on June 5th and June 6th across southern Newton county and Benton county. Several roads were closed due to flooding. One foot of water was reported covering state route 41 and state route 52 just northwest of Earl Park. State Route 16 had several feet of water covering the road. Kentland reported a two day rainfall total of 4.10 inches.									
Lake County									
Countywide	11 12	2330CST 0005CST			0	0			Thunderstorm Wind (G50)
Porter County									
Countywide	11 12	2340CST 0002CST			0	0	55K		Thunderstorm Wind (G60)
Porter County									
Chesterton	11	2350CST			0	0			Lightning
Jasper County									
Rensselaer	12	0020CST			0	0			Thunderstorm Wind (G50)
Newton County									
Countywide	12	0025CST			0	0			Thunderstorm Wind (G50)
A large bow echo moved southeast from Wisconsin, across northeast Illinois and then into far northwest Indiana late on Monday June 11th and early on June 12th. Wind speeds were estimated as high as 70 mph in the city of Valparaiso. Trees and power lines were blown down across all of Porter, Lake and Newton counties. Five trees were blown down in Rensselaer in Jasper county. A first story bedroom was demolished by a four foot diameter tree that was blown down onto the house in Valparaiso in Porter county at 2340 CST. Two parked cars were hit by falling limbs in Valparaiso at 2345 CST, but only received minor damage. A tree was struck by lightning in Chesterton in Porter county at 2350 CST, but caused no damage. Over 10,000 customers were reported to have lost their power across northwest Indiana.									
INDIANA, South Central									
Orange County									
Orleans	05	1915EST			0	0			Thunderstorm Wind (G60)
Trees and power lines were downed.									
Crawford County									
Marengo	06	1615EST			0	0			Hail (1.75)
Clark County									
Charlestown	06	1640EST			0	0			Thunderstorm Wind (G60)
Several trees were downed by thunderstorm winds.									
Harrison County									
2 NW Frenchtown	06	1650EST 1830EST			0	0			Flash Flood
Water covered roads near Frenchtown.									
Crawford County									
Marengo	06	1703EST 1830EST			0	0			Flash Flood
Several roads were under water near Marengo.									
Orange County									
Orangeville	19	1955EST			0	0			Hail (0.88)
Dubois County									
Jasper	19	2020EST			0	0			Thunderstorm Wind (G60)
Dubois County									
Celestine	19	2030EST			0	0			Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>INDIANA, South Central</u>								
Orange County								
French Lick	19	2200EST			0	0		Thunderstorm Wind (G60)
Thunderstorm winds downed numerous trees and power lines over South Central Indiana. Large hail was also observed.								
Harrison County								
Corydon	26	1535EST			0	0	5K	Thunderstorm Wind (G70)
Trees were uprooted, and trailer underpinnings were torn out.								
Floyd County								
St Joseph	26	1835EST			0	0	10K	Thunderstorm Wind (G70)
A large tree was blown on to a house.								
Clark County								
Sellersburg	26	1837EST			0	0		Thunderstorm Wind (G52)
Floyd County								
St Joseph	26	1839EST			0	0		Hail (0.75)
<u>INDIANA, Southeast</u>								
Ripley County								
Versailles	06	1601EST 1645EST			0	0	5K	Flood
Several roads were flooded along US Route 50 between Holton and Versailles.								
Union County								
5 SE Liberty	12	1900EST 1904EST			0	0	3K	Thunderstorm Wind (G50)
Eight trees and a few power lines reported down across the southeast portion of the county								
Fayette County								
Connersville	12	2109EST 2114EST			0	0	5K	Hail (1.00)
Fayette County								
Countywide	12	2230EST 2330EST			0	0	5K	Flood
High water on roadways								
Union County								
Countywide	12	2230EST 2330EST			0	0	5K	Flood
High water on roadways								
Wayne County								
Centerville	19	2130EST 2133EST			0	0	3K	Thunderstorm Wind (G50)
A few trees downed								
<u>INDIANA, Southwest</u>								
Vanderburgh County								
1 SE Evansville	05	2015CST 2045CST			0	0		Urban/Sml Stream Fld
Green River Road near Interstate 164 was reported under water.								
Vanderburgh County								
Evansville	06	1540CST 1610CST			0	0		Urban/Sml Stream Fld
Thunderstorms repeatedly moved across portions of Evansville, mainly along the Ohio River, just south of downtown. There were numerous reports of water on roads. One foot of water was over the road near Main and Division Streets. The intersection of U.S. Highway 41 and Covert Avenue was flooded, causing vehicles to stall out.								
Pike County								
Winslow	19	1951CST			0	0		Hail (1.00)
Vanderburgh County								
Evansville	20	1930CST			0	0	7K	Thunderstorm Wind (G52)
Near Diamond Avenue, about a dozen trees were down, including two that fell on houses.								
<u>IOWA, Central</u>								
Crawford County								
2 NW Denison	01	1225CST			0	0		Tornado (F0)
Emergency manager reported spotting 7 funnel clouds from the parent cell with two brief touchdowns in open country.								
Crawford County								
5 N Denison	01	1230CST			0	0	2K 5K	Hail (0.88)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
IOWA, Central								
Wright County								
Belmond	01	1235CST			0	0	150K	10K Hail (3.00)
Crawford County								
Charter Oak	01	1240CST			0	0	25K	Tornado (F0)
			Brief touchdown near edge of town.					
Wright County								
Belmond	01	1240CST			0	0	5K	5K Hail (1.00)
Crawford County								
4 W Manilla	01	1250CST			0	0		Tornado (F0)
			Brief touchdown in open country.					
Franklin County								
1 N Alexander	01	1255CST			0	0	3K	5K Hail (1.00)
Franklin County								
5 E Alexander	01	1320CST			0	0	2K	5K Hail (1.00)
Franklin County								
Hansell	01	1336CST			0	0	5K	5K Hail (1.00)
Butler County								
3 S Dumont	01	1345CST			0	0	2K	5K Hail (0.88)
Butler County								
Dumont	01	1347CST			0	0	2K	Hail (0.75)
Cass County								
1 S Griswold	01	1357CST			0	0	3K	5K Hail (1.00)
Cass County								
1 S Griswold	01	1357CST			0	0	1K	Thunderstorm Wind (G52)
Butler County								
5 S Allison	01	1403CST			0	0	20K	5K Hail (4.50)
Adair County								
12 NE Greenfield	01	1406CST			0	0	15K	Thunderstorm Wind (G70)
Butler County								
4 SW Allison	01	1407CST			0	0	2K	5K Hail (0.88)
Butler County								
6 S Shell Rock	01	1415CST			0	0	5K	5K Hail (1.75)
Cerro Gordo County								
1 S Mason City	01	1418CST			0	0	3K	Hail (0.75)
Black Hawk County								
1 N Cedar Falls	01	1435CST			0	0		Tornado (F0)
			Brief touchdown in open country.					
Hardin County								
2 N Buckeye	01	1440CST			0	0	5K	5K Hail (1.75)
Hardin County								
Iowa Falls	01	1446CST			0	0	30K	5K Hail (1.75)
Hardin County								
Ackley	01	1457CST			0	0	5K	3K Hail (1.00)
Bremer County								
Janesville to 1 E Denver	01	1512CST 1525CST			0	0	30K	3K Tornado (F1)
			Tornado swept through open countryside across Southern Bremer County. Damage was limited to mainly outbuildings and crops.					
Butler County								
Sinclair	01	1513CST			0	0		Tornado (F0)
			Brief touchdown in open country.					
Butler County								
1 NE New Hartford	01	1517CST			0	0	3K	Hail (0.75)
Bremer County								
3 SW Janesville	01	1524CST			0	0	5K	5K Hail (1.75)
Black Hawk County								
2 E Finchford	01	1525CST			0	0		Tornado (F0)
			Brief touchdown in open country east of town.					

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
IOWA, Central								
Bremer County								
2 E Janesville	01	1528CST			0	0	10K	5K Hail (1.75)
Black Hawk County								
Cedar Falls	01	1530CST			0	0	3K	Tornado (F0)
			Brief touchdown on the edge of town.					
Black Hawk County								
2 E Dunkerton	01	1530CST			0	0		Tornado (F0)
			Brief touchdown in open area east of town.					
Black Hawk County								
Gilbertville	01	1552CST 1554CST			0	0	5K	Tornado (F0)
			Weak tornado moved into the area, but was only on the ground briefly.					
Hardin County								
Buckeye	01	1605CST			0	0	3K	Hail (0.75)
Hardin County								
Buckeye	01	1615CST 1620CST			0	0	10K	Hail (0.75)
Hardin County								
Eldora	01	1618CST			0	0	10K	5K Hail (1.50)
A very dynamic weather situation took place over Iowa during the afternoon of the 1st. The dynamics were sufficient to overcome the shortcomings in moisture available for the system. A cold front dropped southeast out of the Dakotas into Iowa during the afternoon. Surface dew points were generally in the mid 50s ahead of the front, though a narrow ribbon of upper 50s to lower 60s was found just ahead of the front. As the cold front dropped southeast, a very strong closed low at 500 mb was also dropping into the area. This helped to destabilize the atmosphere as freezing levels fell to the 8000 to 10,000 foot range by evening. A small area of thunderstorms developed by mid day over north central Iowa. The storms intensified rapidly during the maximum heating of the day. Thunderstorms fired southwest of the original area and became severe quickly. For the most part the storms produced hail and small tornadoes. The first tornado touched in Crawford County. The county Emergency Manager reported seeing 7 funnel clouds and two brief touchdowns with the initial cell. The tornadoes were all small and were only on the ground briefly. Several other brief touchdowns occurred in the County before the storm moved east. The strongest tornado touched down on the edge of the town of Denison. A 14 x 50 metal building was destroyed. A fire hydrant was damaged in the vicinity by flying debris. It was reported that water could be seen being sucked out of the hydrant by the tornado. The tornado threat shifted into northeast Iowa for the rest of the afternoon. Several tornadoes touched down in Bremer, Butler, and Black Hawk Counties. Most of these were quite small and did little damage however. The longest track tornado touched down in the Janesville area of Bremer County and tracked over 8 miles to the east, lifting just east of the town of Denver. The countryside is quite open between these two locations. For this reason, damage was minimal as the tornado actually missed both of the towns. With the cold air aloft, hail was a significant factor. There were reports of at least half inch diameter hail with nearly all of the storms. Numerous reports of hail of an inch up to golf ball size were received. The storms produced three inch diameter hail on the north side of Belmond, causing significant damage to the area and reportedly covering the ground. One of the storms became very intense over Butler County during the early afternoon. Softball size hail was reported with this cell, causing significant damage south of the town of Allison. The storms over southwest Iowa underwent a transition into more of a wind event. High winds were reported in Cass County as the storms moved through the Griswold area. By mid afternoon, the storms in southern Iowa had taken on a bow configuration. As the storms moved through Adair County, very strong winds swept through the northeast part of the county. The winds toppled power lines northeast of Greenfield. As the storms continued east, the intensity decreased. The storms still produced gusty winds, but speeds were generally in the 45 to 55 MPH range.								
Wayne County								
Seymour	04	0300CST			0	0	7K	Thunderstorm Wind (G52)
			Thunderstorms rolled across southern Iowa during the predawn hours. Though most of the storms were not severe, one storm moved through the Seymour area and produced high winds. Three large trees were toppled in town. One of them landed on a van, virtually destroying it.					
IAZ083>084-094>095								
Clarke - Lucas - Decatur - Wayne								
	05	0300CST			0	0	20K	Flood
	07	1800CST						
June 2001 in the Des Moines Hydrologic Service Area (HSA) was more like two different months in one, with a wet and cool first half and a dry and increasingly warm second half. Overall, it was about normal in terms of temperature and precipitation although there was considerable spatial variation in the rainfall. The first significant precipitation event occurred from the 5th to the 6th as cool stratiform precipitation and few mixed showers produced light to moderate rainfall ranging from 0.25" to 1.00" across the area. Little flooding took place, however rivers in parts of south central Iowa did rise slightly above flood stage.								
Pocahontas County								
Laurens	11	2130CST			0	0	3K	5K Hail (1.00)
Pocahontas County								
2 NW Laurens	11	2130CST			0	0	1K	5K Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
IOWA, Central								
Palo Alto County								
Mallard	11	2138CST			0	0	1K	3K Hail (0.88)
Pocahontas County								
Havelock	11	2140CST			0	0	3K	5K Hail (1.00)
Palo Alto County								
1 W Ayrshire	11	2202CST			0	0	1K	5K Hail (1.00)
Palo Alto County								
Mallard	11	2255CST			0	0	1K	3K Hail (0.88)
A very unstable airmass was in place over Iowa during the evening, but it was also quite capped. Thunderstorms developed to the north of Iowa and slipped south into the state. An upper level disturbance moved into the state during the evening hours. Though the 700 mb temp was in the 10 to 12 degree C. range, thunderstorms were able to punch through the cap. CAPE values were over 5000 J/kg as late afternoon temperatures soared into the mid 90s and dew points reached the mid 70s to low 80s. A supercell formed in northwest Iowa and moved east into Pocahontas and Palo Alto Counties. The storm produced nickel size hail in several areas with some of the hail around one inch in diameter. The storm weakened during the late evening hours. During the rest of its life, the storm produced small hail, gusty winds, and heavy rainfall.								
Marshall County								
Gilman	12	0420CST			0	0	5K	Thunderstorm Wind (G52)
Marshall County								
1 S Marshalltown	12	0434CST			0	0	5K	Hail (0.75)
Marshall County								
Marshalltown	12	0455CST			0	0	2K	Hail (0.75)
Polk County								
West Des Moines	12	0525CST 0535CST			0	0	9.5M	10K Hail (2.00)
Polk County								
Clive	12	0530CST			0	0	250K	10K Hail (1.75)
Dallas County								
3 E Waukee	12	0531CST			0	0	10K	10K Hail (1.75)
Polk County								
West Des Moines	12	0531CST			0	0	200K	10K Hail (1.75)
Polk County								
Urbandale	12	0535CST			0	0	10K	1K Hail (1.00)
Polk County								
West Des Moines	12	0535CST			0	0	50K	5K Hail (1.75)
Polk County								
West Des Moines	12	0537CST			0	0	250K	5K Hail (2.75)
Polk County								
Clive	12	0540CST			0	0	100K	2K Hail (1.75)
Polk County								
Windsor Hgts	12	0542CST			0	0	25K	Hail (1.50)
Polk County								
Urbandale	12	0544CST			0	0	75K	3K Hail (1.75)
Polk County								
Urbandale	12	0545CST			0	0	25K	Hail (1.50)
Polk County								
Clive	12	0553CST			0	0	75K	Hail (1.75)
Dallas County								
Waukee	12	0558CST			0	0	4K	Hail (0.75)
Jasper County								
5 N Newton	12	0605CST			0	0	2K	5K Hail (0.88)
Warren County								
Hartford	12	0741CST			0	0	5K	5K Hail (1.00)
Jasper County								
1 S Prairie City	12	0747CST			0	0	2K	Thunderstorm Wind (G52)
Marion County								
4 N Knoxville	12	0800CST			0	0	5K	5K Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed		Estimated Damage Property	Crops	Character of Storm
IOWA, Central									
Marion County									
Pella	12	0803CST			0	0	1K	4K	Hail (0.88)
Marion County									
Red Rock	12	0805CST			0	0	5K	5K	Hail (1.00)
Polk County									
Ankeny	12	0839CST			0	0	75K	5K	Hail (1.75)
Marion County									
1 N Knoxville	12	0848CST			0	0	2K	5K	Hail (1.00)
Polk County									
Polk City	12	0853CST			0	0	50K	5K	Hail (1.75)
Marshall County									
Laurel	12	0855CST			0	0	25K	10K	Hail (1.75)
Jasper County									
1 W Baxter	12	0859CST			0	0	2K	5K	Hail (1.00)
Story County									
Maxwell	12	0900CST			0	0		5K	Hail (0.75)
Story County									
Collins	12	0905CST			0	0	5K	5K	Hail (1.00)
Polk County									
3 W Alleman	12	0915CST			0	0		5K	Hail (0.75)
Jasper County									
11 SE Galesburg	12	0920CST			0	0	5K	5K	Hail (1.25)
Marshall County									
4 SW State Center	12	0935CST			0	0		5K	Hail (0.75)
Jasper County									
Sully	12	0940CST			0	0	25K	5K	Hail (1.75)
Marshall County									
2 S State Center	12	0952CST			0	0	10K	10K	Hail (1.75)
Jasper County									
Lynnville	12	0955CST			0	0	25K	10K	Hail (1.75)
Boone County									
5 S Berkley	12	1013CST			0	0	10K	10K	Hail (1.75)
Poweshiek County									
6 N Searsboro	12	1023CST			0	0	10K	5K	Hail (1.50)
Poweshiek County									
5 W Montezuma	12	1025CST			0	0		1K	Tornado (F0)
Brief touchdown in open country.									
Greene County									
2 SE Scranton	12	1032CST			0	0		5K	Hail (0.75)
Greene County									
Countywide	12	1100CST 1615CST			0	0	150K	10K	Flash Flood
Greene County									
12 SE Jefferson	12	1100CST			0	0	2K	5K	Hail (0.88)
Crawford County									
Charter Oak	12	1115CST			0	0	3K	5K	Hail (1.00)
Greene County									
2 SE Cooper	12	1115CST			0	0	3K	5K	Hail (1.00)
Crawford County									
3 NW Dow City	12	1120CST			0	0	10K	10K	Hail (1.75)
Poweshiek County									
5 N Grinnell	12	1125CST 1150CST			0	0	10K	50K	Hail (1.75)
Boone County									
6 W Madrid	12	1127CST			0	0	2K	5K	Hail (1.00)
Dallas County									
Woodward	12	1128CST			0	0	5K	3K	Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
IOWA, Central								
Dallas County								
Woodward	12	1131CST			0	0	5K	3K Hail (1.00)
Dallas County								
Woodward	12	1132CST			0	0	5K	3K Hail (1.00)
Carroll County								
Dedham	12	1212CST			0	0	5K	5K Hail (1.00)
Dallas County								
North Portion	12	1230CST 1600CST			0	0	75K	10K Flash Flood
Sac County								
Schaller	12	1230CST			0	0	5K	Lightning
Boone County								
Countywide	12	1245CST 1600CST			0	0	150K	10K Flash Flood
Story County								
Countywide	12	1245CST 1600CST			0	0	250K	10K Flash Flood
Jasper County								
Baxter	12	1300CST			0	0	5K	5K Hail (1.00)
Polk County								
North Portion	12	1300CST 1630CST			0	0	150K	10K Flash Flood

The supercell that moved across northern Iowa during the early morning hours left behind a strong outflow boundary. This outflow boundary became established east to west across central Iowa. At the same time a complex of thunderstorms that was generated by a short wave moving across Nebraska advanced toward western Iowa just before sunrise. Though upper level jet divergence was in place, a strong mid level cap was in place through most of the night and the outflow boundary never produced any thunderstorm activity. Temperatures in the mid levels fall significantly around sunrise. The outflow boundary "lit up like a Christmas tree" around sunrise. The thunderstorms became severe quickly and were large hail producers. The storms moved east along the east to west line and also produced copious amounts of rainfall. Initially the threat was the large hail. Numerous reports of one to two inch diameter hail were received through central Iowa. Some of the greatest damage occurred in the Des Moines metropolitan area as golf ball size hail pelted the city. Damage was significant to both roofs as well as cars. Several large car dealerships were hit on the west side of town with significant damage reported. Estimates of damage were in the area of \$250,000 to \$500,000 each. One off duty NWS employee on the west side has his back window broken out by hail with numerous hail pocks in the car. Initial estimates of damage on the west side of town indicate about 5000 insurance claims for cars at \$900 to \$1500 each, plus 3000 insurance claims for damages house roofs. Golf ball size hail and 4 inches of rain fell near Grinnell in Poweshiek County. Hail drifted to a depth of 2 to 3 feet deep in places. Crops were totally destroyed as the hail fell for 25 minutes. One farmer in the area reported 1000 acres of crops destroyed. Wind was not a major factor with most of these storms. One high wind report was received in Jasper County south of Prairie City. Several trees were blown down there. In addition, one tornado touched down briefly in the county. The touchdown was in open country west of the town of Montezuma. The tornado did little damage and lifted in a very short time. Focus then shifted to the heavy rainfall. The storms trained along the east west line for several hours. A band of very heavy rain was reported from Greene County, east into Boone, Story, Dallas, and Polk Counties. Rainfall of three to four inches was common in these areas. Numerous roads were closed due to the high water. Water was standing in fields everywhere. Some of the worst damage occurred in Story County as the densely populated area of Ames and Iowa State University was affected. By the mid afternoon hours, the thunderstorms weakened and began to lift north slowly. During the early afternoon hours as the thunderstorms moved through Sac County, lightning struck a tree in the town of Schaller. The tree was split and landed on the house causing several thousand dollars damage.

IAZ004>007-015>017-023>026-033>038-045>046-048>049-059>061-073>075-083>086-094>095 **Emmet - Kossuth - Winnebago - Worth - Palo Alto - Hancock - Cerro Gordo - Pocahontas - Humboldt - Wright - Franklin - Sac - Calhoun - Webster - Hamilton - Hardin - Grundy - Carroll - Greene - Story - Marshall - Dallas - Polk - Jasper - Warren - Marion - Mahaska - Clarke - Lucas - Monroe - Wapello - Decatur - Wayne**

12 1500CST
23 1800CST 0 0 825K 1.6M Flood

A significant flash flood event developed later on the 12th as heavy rains and severe storms developed along a stationary boundary located over central Iowa in the mid-morning hours. Storms continually redeveloped in a narrow band along the front throughout the day, before finally lifting north to produce more heavy rains over the upper Des Moines River basin. WSR-88D radar precipitation estimates were biased upward by the copious hail production in these storms. Radar estimates of 6 to 8 inches in a band across the southern portions of Greene, Boone and Story counties and much of Jasper and Polk, were difficult to verify with rain gage reports. However, unofficial reports indicated that 4 to 5 inches fell in the heaviest rain. Official reports included 2.66" at Ames 5SE (AESI4), 2.53" at Rhodes (RHD14), 2.05" at Newton, 1.69" at Jefferson (JFF14), 1.49 at Drake University (DDVI4) and 1.27" at Marshalltown (MSHI4). Urban Small Stream Advisories for these counties were upgraded to Flash Flood Warnings by mid-afternoon as the storms

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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IOWA, Central

continued to train across the same areas. Reports of road closures and damage in Story and Greens counties due to high water were received by the NWS. Minor river flooding also resulted along the North Raccoon River at Perry (PROI4) and on the South Skunk River at Oskaloosa (OOAI4). The secondary band that developed over the far northwest counties in the DMX HSA produced 3.12" at the Estherville ASOS and caused the West Fork Des Moines river to quickly rise to flood stage and a River Flood Warning was issued later in the morning for Estherville (ESVI4). Flood Statements were also issued for minor flooding downstream on the West Fork Des Moines at Emmetsburg (EMTI4) and Humboldt (HBTI4) and on the East Fork Des Moines at Algona (AGNI4) and North Raccoon River at Jefferson (EFWI4). Basin-wide rainfall forecasts (QPF) of 1 to 1.5 inches over the upper Des Moines and Raccoon rivers were input into river forecasts for the 24-hours ending at 12Z on the 14th of June, helping to raise crest forecasts.

Strong storms formed over the northwest half of the DMX HSA in the early morning hours of the 14th, with more moderate to heavy rain falling in parts of the North Raccoon and upper Des Moines River basins. WSR-88D radar rainfall estimates were 3 to 4 inches over Calhoun county in the North Raccoon basin and the cooperative observer at Rockwell City (RKWI4) measured 2.50". Also hit hard by heavy rains and flooding were Kossuth and Crawford counties, with radar estimates of 2 to 4 inches. Cooperative observers at Swea City (SWEI4) and Denison (DNSI4) picked up 1.90" and 2.30", respectively. Urban/Small Stream Flood Advisories were issued for each of these counties during the early morning hours. Street flooding was reported in Manson and Rockwell City (Calhoun county) and in Denison (Crawford), with water over the road on Highway 169 (Kossuth).

A short respite from the storms during the late morning of the 14th was followed by another line of storms moving into Iowa from the southwest during the early afternoon. The areal coverage from these storms was essentially the southeast one-half of the DMX HSA, almost completely missing the portion of the HSA that received heavy rains in the previous 24 hours. The storms were fast-moving enough to minimize rainfall accumulations, but parts of south central Iowa picked up 2 to 3 inches of rain, including Blockton (BLKI4), 3.15"; Centerville (CNTI4), 2.39"; Beaconsfield (BCNI4), 2.10" and Ottumwa ASOS (OTM), 2.02". As the storms moved north, Urban and Small Stream Flood Advisories were issued for Polk, northern Warren, southern Story and Jasper counties as the storms moved through around rush hour. The 0.75" to 1.25" inches of rain in less than an hour in Des Moines caused typical urban flooding, with many intersections and underpasses flooded and traffic tie-ups as a result. The Des Moines Airport ASOS (DSM) measured 0.48" in 15 minutes and the USGS DCP at SE 6th (DESI4) 0.75" in 30 minutes as the storms moved through. The storms continued moving rapidly northeast though Iowa producing scattered heavy rains mainly along and east of Interstate 35; cooperative reports included Mason City (MSCI4) 1.54" and Waterloo 1.18". Numerous river flood forecasts were issued as a result of the rains, with eight forecast points in flood by the morning of the 15th and several other locations forecast to go into flood in coming days. By the 23rd, the last forecast point in the DMX HSA fell below flood stage, with the West Fork Des Moines River at Humboldt dropping below flood stage. None of the flooding across the HSA during June even reached the moderate category, with the exception of Estherville which briefly reached that category on the 13th.

Emmet County

1 N Estherville 12 2056CST 0 0 5K Hail (0.75)

Emmet County

Estherville 12 2104CST 0 0 2K 5K Hail (0.88)

Emmet County

Estherville Arpt 12 2104CST 0 0 15K 2K Thunderstorm Wind (G71) ^M

Emmet County

5 NNE Estherville 12 2106CST 0 0 5K Hail (0.75)

Emmet County

Estherville 12 2110CST 0 0 20K 1K Thunderstorm Wind (G65)

Emmet County

Estherville Arpt 12 2248CST 0 0 5K Thunderstorm Wind (G53) ^M

Emmet County

Dolliver 12 2255CST 0 0 25K Thunderstorm Wind (G61)

Emmet County

Dolliver 12 2320CST 0 0 20K Thunderstorm Wind (G61)

A very unstable airmass remained in place over Iowa. The outflow boundary from the previous nights convection continued to lift north during the evening hours. A very large MCC developed over South Dakota into Minnesota during the evening. Iowa was on the far south edge of this MCC. Strong low level winds of 50 kts fed into the south edge of the MCC. A series of beta bow elements translated east along the south edge of the complex. Initially, the storms moving along the south edge were tornadic just to the west of the DSM CWA. The storms became more bow oriented as the evening progressed with very strong winds reported in Emmet County. Gusts of 80 MPH or higher were reported. A barn was damaged near the town of Dolliver, with trees and power lines toppled in both the towns of Estherville and Dolliver. As the storms moved east, away from the instability axis, they weakened rapidly. Only Emmet County was affected by the wind and hail. In addition to the severe weather, very heavy rainfall accompanied the storms. At one point, .94 inches of rain fell in a 9 minute period at the ASOS at Estherville. Nearly one and one quarter inch fell in a 16 minute period. Rainfall over the northwest and north central part of the county was in the two to three and one half inch range. Some local flooding resulted from the heavy rainfall.

Emmet County

Estherville 13 2057CST 0 0 20K Thunderstorm Wind (G65) ^M

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
IOWA, Central									
Emmet County									
Estherville Arpt	13	2057CST			0	0	1K	Thunderstorm Wind (G50)	M
Crawford County									
6 NW Denison	13	2201CST			0	0	5K	Thunderstorm Wind (G52)	
Sac County									
Odebolt	13	2215CST			0	0	5K	Thunderstorm Wind (G52)	
Sac County									
Sac City	13	2217CST			0	0	50K	5K	Thunderstorm Wind (G79) M
Sac County									
2 E Sac City	13	2220CST 2230CST			0	0	5K	Thunderstorm Wind (G56)	
Sac County									
Sac City	13	2230CST			0	0	25K	2K	Thunderstorm Wind (G70)
Sac County									
Lake View	13	2235CST			0	0	5K	Thunderstorm Wind (G52)	
Conditions remained relatively unchanged from the previous two days. Temperatures warmed in to the mid 80s to low 90s as dew point temperatures in the low to mid 70s. CAPE values soared to between 4000 and 5000 J/kg over western Iowa and areas west. Thunderstorms erupted during the early evening hours from South Dakota, south into Kansas. Wind shear profiles were favorable for tornadic development. A few tornadoes were reported to the west of the Des Moines CWA, however the main severe event for the Des Moines CWA came in the form of high winds as small bow shaped storms moved northeast along the line. One storm moved into Emmet County by mid evening. This storm produced winds of 75 MPH in the town of Estherville, resulting in tree and power line damage around town. Winds gusted to around 60 MPH as one of the stronger storms moved through Crawford County. A bow echo moved into Sac County late in the evening. High winds overturned a semi-tractortrailer truck east of Sac City just south of the intersection of U.S. Highway 20 and State Road 196. High winds damaged roofs in the town of Sac City. Winds in Sac City were measured by an observer in town at 92 MPH.									
Emmet County									
Countywide	13	2230CST			0	0	50K	10K	Flash Flood
	14	0200CST							
For the second night in a row Emmet County was hit by heavy rains. Severe thunderstorms formed to the west of the area and moved into Emmet County by the late evening hours. The thunderstorm trained across the county for several hours, leaving behind another 2 to 4 inches of rain on top of the 3 inches that fell the previous day. Flash flooding occurred around the county with several roads being closed by the flooding. Conditions improved within a few hours of the end of the heavy rainfall.									
IAZ005>006									
Kossuth - Winnebago									
	14	0630CST 0900CST			0	0	55K	High Wind (G54)	M
Strong winds developed over north central Iowa in the wake of a large thunderstorm complex. In what was most likely a gravity wave of some sort in the wake of the complex. Strong winds of 40 to 60 MPH or higher developed shortly after dawn. The winds were out of the southeast, flowing out of the thunderstorms to the southeast of the area. Scattered damage was reported around the area, but it was fairly limited to tree damage for the most part. A buffalo stature was blown over in Buffalo center as well as a few windows blown out.									
Warren County									
Indianola	14	0757CST			0	0	20K	5K	Hail (1.75)
A band of strong thunderstorms moved across central and south central Iowa during the morning hours. The storms were initially severe to the west of Iowa, but had weakened during the nighttime hours. One cell became severe as it moved Warren County. As it did it dropped golf ball size hail in the town of Indianola.									
Union County									
6 SE Afton	14	1343CST			0	0	10K	Thunderstorm Wind (G56)	
Decatur County									
Garden Grove	14	1345CST			0	0	25K	Thunderstorm Wind (G56)	
Ringgold County									
8 S Mt Ayr	14	1346CST			0	0	3K	Thunderstorm Wind (G52)	
Decatur County									
2 W Lamoni	14	1347CST			0	0	10K	Thunderstorm Wind (G56)	
Decatur County									
Lamoni	14	1352CST			0	0	5K	Thunderstorm Wind (G56)	
Ringgold County									
2 N Kellerton	14	1405CST			0	0	5K	Thunderstorm Wind (G56)	
Decatur County									
Lamoni	14	1415CST			0	0	10K	Thunderstorm Wind (G56)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
IOWA, Central								
Decatur County								
Davis City	14	1420CST			0	0	5K	Thunderstorm Wind (G52)
Wayne County								
Humeston	14	1425CST			0	0	10K	Thunderstorm Wind (G61)
Decatur County								
5 SW Van Wert	14	1428CST			0	0	5K	Hail (0.75)
Clarke County								
2 W Weldon	14	1437CST			0	0	3K	Thunderstorm Wind (G52)
Decatur County								
Leon	14	1440CST			0	0	20K	Thunderstorm Wind (G56)
Clarke County								
Osceola	14	1444CST			0	0	10K	Thunderstorm Wind (G56)
Lucas County								
7 S Chariton	14	1451CST			0	0	3K	Thunderstorm Wind (G52)
Monroe County								
3 E Albia	14	1501CST			0	0	10K	Thunderstorm Wind (G56)
Marion County								
2 W Knoxville	14	1505CST			0	0	3K	Thunderstorm Wind (G52)
Monroe County								
1 S Albia	14	1505CST			0	0	5K	Thunderstorm Wind (G52)
Appanoose County								
Moulton	14	1510CST			0	0	10K	Thunderstorm Wind (G61)
Mahaska County								
Oskaloosa	14	1530CST			0	0	25K	3K Thunderstorm Wind (G65)
Wapello County								
Ottumwa	14	1536CST			0	0	10K	Thunderstorm Wind (G50)
Mahaska County								
Oskaloosa	14	1540CST			0	0	3K	Thunderstorm Wind (G62)
Mahaska County								
2.5 NE Oskaloosa	14	1545CST			0	0	40K	2K Tornado (F1)
Brief touchdown on a farm northeast of Oskaloosa. Several buildings damaged.								
Poweshiek County								
10 NW Montezuma	14	1600CST			0	0	27K	Thunderstorm Wind (G56)
Poweshiek County								
6 SW Malcolm	14	1615CST			0	0	3K	Thunderstorm Wind (G52)
Grundy County								
Reinbeck	14	1630CST			0	0	15K	Thunderstorm Wind (G52)
Black Hawk County								
La Porte City	14	1650CST			0	0	10K	Thunderstorm Wind (G61)
Poweshiek County								
Montezuma	14	1700CST			0	0	10K	Thunderstorm Wind (G52)
<p>The very unstable atmospheric condition over the central U.S. remained unchanged from what it had been during previous days. A strong cold front approached from the west as intense low pressure in the upper atmosphere lifted northeast into South Dakota during the day. Deep moisture was in place over the central U.S. with dew points at the 850 mb level at or approaching 20 degrees C. Numerous boundaries were in place across the state from the previous nights convection. Strong convection developed over Missouri during the early afternoon hours. This convection lifted north into Iowa during the afternoon. A line of severe thunderstorms moved into south central Iowa. This line moved northeast rapidly across the state along with an apparent gravity wave seen in satellite imagery. The main severe weather event was high winds. Though there were a few reports of large hail, most of the hail was no larger than marble size. Numerous reports of 60 to 70 MPH winds were received over south central into northeast Iowa. Tree and power line damage was widespread. As the storms moved through Black Hawk County, high winds swept into La Porte City. Trees were toppled in town. One fell on a police squad car, trapping the officer inside the car for a period of time. The echo pattern of the thunderstorms took on a LEWP (Line Echo Wave Pattern) by late afternoon. The mesoscale vorticity center was quite evident in the radar imagery as it passed over Mahaska County. A small tornado formed near the crest of the wave and touched down northeast of the town of Oskaloosa. Five buildings were damaged at a farm there and 2 x 4's were driven into a hog confinement building. The damage path was approximately one eighth mile long and 100 yards wide.</p>								
Appanoose County								
Centerville	16	2252CST			0	0	2K	5K Hail (0.88)
Thunderstorms moved across southern Iowa during the evening hours. For the most part, these were not severe. One cell passed								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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IOWA, Central

over Appanoose County and dropped nickle size hail in the town of Centerville.

Taylor County

New Market

17 1610CST 0 0 5K 5K Hail (1.00)

Taylor County

4 SE New Market

17 1622CST 0 0 5K 5K Hail (1.50)

A strong warm front became established to the south of Iowa. Temperatures in Iowa were in the low to mid 80s, with readings in the 90s to near 100 F. south of the front. Moisture was drawn north over the top of the front resulting in the development of thunderstorms. Though most of the storms were not severe, large hail was produced as one cluster of storms moved into Taylor County. These storms were from an area of severe thunderstorms that had formed to the west of the Des Moines CWA. One inch diameter hail fell in the town of New Market, with hail one and one half inches in diameter falling a short distance southeast of town. The storms weakened as they moved east away from the instability axis that was near the Missouri River.

Emmet County

Ringsted

18 1837CST 0 0 20K 10K Hail (1.75)

Kossuth County

2 NW Bancroft

18 1840CST 0 0 3K 5K Hail (1.00)

Emmet County

5 S Armstrong

18 1846CST 0 0 20K 10K Hail (2.75)

Pocahontas County

5 E Fonda

18 1900CST 0 0 3K Thunderstorm Wind (G52)

Crawford County

6 NW Denison

18 1922CST 0 0 5K Hail (0.75)

Crawford County

2 N Denison

18 1925CST 0 0 5K Hail (0.75)

Winnebago County

Thompson

18 1943CST 0 0 10K 5K Hail (1.75)

Winnebago County

Thompson

18 1943CST 0 0 10K Thunderstorm Wind (G61)

Kossuth County

Algona

18 1945CST 0 0 3K Thunderstorm Wind (G52)

Winnebago County

1 W Thompson

18 1945CST 0 0 5K 5K Hail (1.75)

Hancock County

5 N Garner

18 2000CST 0 0 2K Thunderstorm Wind (G52)

Worth County

Kensett

18 2000CST 0 0 5K Thunderstorm Wind (G65)

Humboldt County

Humboldt

18 2005CST 0 0 5K Thunderstorm Wind (G56)

Wright County

Clarion

18 2015CST 0 0 2K Thunderstorm Wind (G50) ^M

Carroll County

1 S Glidden

18 2025CST 0 0 1K Tornado (F0)

Brief touchdown in open area south of town.

Hancock County

2 E Woden

18 2045CST 0 0 3K Thunderstorm Wind (G52)

Story County

Story City

18 2058CST 0 0 5K 5K Hail (1.00)

Winnebago County

Forest City

18 2058CST 0 0 5K 5K Hail (1.00)

Story County

Story City

18 2108CST 0 0 2K 5K Hail (0.88)

Story County

Story City

18 2110CST 0 0 25K 5K Hail (1.75)

Cerro Gordo County

3 N Clear Lake

18 2117CST 0 0 10K 5K Hail (1.75)

Worth County

2 N Kensett

18 2135CST 0 0 4K 5K Hail (1.25)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
IOWA, Central								
Worth County								
4 N Manly	18	2135CST			0	0	5K	Hail (0.75)
Marshall County								
2 NW Albion	18	2138CST			0	0	2K	5K Hail (0.88)
Polk County								
Altoona	18	2140CST			0	0	3K	5K Hail (0.88)
Worth County								
2 N Northwood	18	2145CST			0	0	10K	1K Thunderstorm Wind (G61)
Warren County								
1 N Indianola	18	2150CST			0	0	4K	5K Hail (1.00)
Warren County								
Milo	18	2205CST			0	0	2K	5K Hail (0.88)
Ringgold County								
8 S Mt Ayr	18	2223CST			0	0		5K Hail (0.75)
Decatur County								
3 W Lamoni	18	2225CST			0	0		5K Hail (0.75)
Marion County								
Tracy	18	2230CST			0	0	5K	Thunderstorm Wind (G54)
A very unstable situation unfolded during the afternoon of the 18th into the evening hours. Very warm and fairly moist air was drawn north into Iowa as the warm front that had been to the south of the state the previous two days lifted north of Iowa during the day on the 18th. Dew point temperatures were in the low to mid 60s over much of Iowa. In spite of the relatively low dew points, the airmass became quite unstable. CAPE values were in the 3000 to 4500 J/kg range by the early evening. A cold front entered the state during the late afternoon hours. Thunderstorms developed explosively along the cold frontal boundary by early evening. A nearly solid like of thunderstorms began to move east across the state. One tornado was reported in Carroll County south of the Glidden area. The touchdown was brief and occurred in open country. Much of the severe weather with this event was in the form of hail. Numerous locations reported hail anywhere from three quarter inch in diameter up to golf ball size. The largest hail report was received from Emmet County. Baseball size hail fell south of the Armstrong area, causing considerable damage to roofs and crops in the area. As the evening progressed, the storms produced more winds, in part due to the collapse of the line. high winds caused scattered power outages around the state. A wind gust in Worth County moved a livestock trailer, pushing the trailer sideways. The line of thunderstorms weakened rapidly as the midnight hour approached.								
Guthrie County								
Stuart	19	0350CST			0	0	10K	5K Hail (1.75)
Polk County								
Altoona	19	0505CST			0	0	5K	Hail (0.75)
Following the passage of the severe thunderstorms during the previous evening, a small area of thunderstorms developed over west central Iowa after midnight. The storms moved east and as they passed over Guthrie County, dropped golf ball size hail on the town of Stuart. The same cluster of storms that moved through west central Iowa into Guthrie County continued to move east. As they moved through the Des Moines area they produced heavy rain and some small hail. One cell dropped three quarter inch diameter hail on the town of Altoona. Reports indicate enough hail fell to nearly cover the ground.								
Black Hawk County								
Waterloo	30	1434CST			0	0	20K	Thunderstorm Wind (G54)
The airmass over Iowa became quite unstable during the afternoon. Surface temperatures reached the mid 80s to low 90s with dew point temperatures in the 60s. CAPE values were in the 2000 to 4000 J/kg range. Thunderstorms fired over northern Iowa during the afternoon along a weak trough that was progressing south across the state. Winds at the 850 mb level were quiet light, in the 5 to 10 kt range, so the storms were more of the pulse variety instead of super cellular. Most of the thunderstorms produced brief gusty winds, pea to marble size hail, and heavy rainfall. A wet microburst occurred in Waterloo with the passage of one of the storms. Damage was reported with numerous trees toppled and some shingle damage in town. Other noteworthy events were in Franklin County, where 5.3 inches of rain fell in a few hours time. Flooding was minimal as the ground was extremely dry from two weeks of light rainfall and warm temperatures. In Sac County, winds of 50 MPH and a little over 2 inches of rain occurred in the Lake View area. Once again, little flooding occurred outside of minor street flooding.								
IOWA, East Central and Southeast								
Buchanan County								
2.5 NW Winthrop to	01	1555CST			0	0	125K	Tornado (F1)
2.3 N Winthrop		1605CST						
Buchanan County								
1 S Fairbank	01	1558CST			0	0		Tornado (F0)
Buchanan County								
.5 SW Independence	01	1601CST			0	0		Tornado (F0)

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

IOWA, East Central and Southeast

Buchanan County

1 W Independence to Independence 01 1606CST 1616CST 0 0 20K Tornado (F0)

Buchanan County

2 SW Lamont 01 1611CST 0 0 Tornado (F0)

Delaware County

2 NW Manchester 01 1612CST 0 0 Tornado (F0)
Reported by trained spotter.

Buchanan County

3.5 SE Winthrop 01 1629CST 0 0 10K Tornado (F0)

Buchanan County

5.8 SE Winthrop 01 1634CST 0 0 Tornado (F0)

Delaware County

Robinson 01 1645CST 0 0 Thunderstorm Wind (G61)
Property damage near town, with several trees toppled. Reported by emergency management.

Dubuque County

Dyersville 01 1655CST 0 0 Hail (1.00)
Quarter sized hail reported by law enforcement.

Dubuque County

1 S Farley 01 1708CST 0 0 Thunderstorm Wind (G52)
Tin removed from roof of building. Reported by emergency management.

Jones County

Monticello 01 1708CST 0 0 Funnel Cloud
Reported by emergency management.

Dubuque County

Asbury 01 1717CST 0 0 Funnel Cloud
Reported by trained spotter.

Dubuque County

Dubuque 01 1717CST 0 0 Urban/Sml Stream Fld
Water 3 to 6 inches deep covered several city streets. Reported by law enforcement.

Event Summary for 6/01/01:

A vigorous upper level storm system and strong mid level jet moved through the Mid Mississippi Valley during the afternoon and evening. The associated surface cold front moved into East Central Iowa during peak heating. Mid level cooling and strong surface heating created a moderately unstable airmass. Speed and directional shear was also more than sufficient to spawn supercell thunderstorms near Waterloo, which moved east into Buchanan County producing several tornadoes. Eventually, the activity evolved into a squall line which moved across much of the remainder of Eastern Iowa, Northwest and West Central Illinois and Northeast Missouri. However, decreasing instability, coupled with the loss of daytime heating resulted in a gradual weakening of the storms and only a few severe reports.

Here is a summary of the tornadoes which struck Buchanan and Delaware Counties:

Buchanan County - 455 pm CDT

An F1 tornado touched down 2.5 miles north to northwest of Winthrop and lifted at 505 pm CDT approximately 2.25 miles north of Winthrop. This tornado was on the ground for about 1 mile and was 150 yards wide. This tornado produced the most severe damage from the entire event as it ripped through the Tempus farm site at 1846 Reed Avenue. The Tempus home suffered minor damage with a few windows blown out and pieces of siding removed. Several large outbuildings were totally destroyed, including a large machine shed, barn and an open faced cattle shed. Seven head of cattle were killed with 15 to 20 head of cattle injured. A large combine and several other pieces of farm equipment were damaged.

Buchanan County - 501 pm CDT

An F0 tornado touched down 1 mile south of Fairbank near Baxter Avenue and 120th Street. This tornado produced no damage. A National Weather Service Cooperative Observer reported seeing this tornado as a white thin cloud touching the ground, but not appearing to connect with the cloud base. Hail also covered the ground about 4.7 miles south of Highway 281 on W13 and Amish Boulevard.

Buchanan County - 506 pm CDT

An F0 tornado touched down one half mile southwest of Independence, just north of Highway 20 and west of Illinois Avenue. This was a brief touchdown with no damage.

Buchanan County - 506 pm CDT

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

IOWA, East Central and Southeast

An F0 tornado touched down 1 mile west of Independence and lifted on the east end of town at approximately 516 pm. This tornado was on the ground for 3 miles and was 150 yards wide. This tornado produced mainly tree damage. A farm on the west side of Independence suffered minor damage to a grain elevator. Several homes in Independence also suffered minor damage, mainly to shingles and siding. Eyewitness reports indicated that a much broader rotation was associated with this tornado several hundred feet above the ground with possible multiple vortices.

Buchanan County - 511 pm CDT

An F0 tornado touched down 2 miles southwest of Lamont near Taylor Avenue and 150th Street. This was a brief touchdown with no damage reported. Trained spotters observed this tornado as two smaller vortices, which merged together before lifting a short time later.

Delaware County - 512 pm CDT

An F0 tornado touched down 2 miles northwest of Manchester. This was a brief touchdown with no damage reported.

Buchanan County - 529 pm CDT

An F0 tornado touched down 3.5 miles southeast of Winthrop near County Road W45 and 260th Street. A hog confinement sustained minor damage and one older corn crib suffered damage. Evidence of this tornado was visible in a field approaching the damage site as old corn stock debris was swept into a nearby fence.

Buchanan County - 534 pm CDT

An F0 tornado touched down 5.75 miles southeast of Winthrop near York Avenue and 280th Street. This was a brief touchdown with no damage reported.

Muscatine County

4 W Muscatine

12 0905CST

0 0

Hail (0.75)

Penny sized hail reported by law enforcement.

Scott County

Le Clair

12 0943CST

0 0

Thunderstorm Wind (G52)

Large tree down on power lines, causing a fire in a transformer. Reported by law enforcement.

IAZ053-065>066

Jones - Cedar - Clinton

**12 1018CST
1330CST**

0 0

High Wind (G44) M

Sustained winds around 40 mph, with gusts to 51 mph reported by trained storm spotter in Oxford Junction.

Event Summary for 6/12/01:

Scattered strong thunderstorms developed during the morning over Eastern Iowa, as a warm front lifted north into the region. The storms produced several reports of 45 to 50 mph winds and heavy rain. Law enforcement reported that the wind and heavy rain limited visibility to around 100 feet near Muscatine. A trained storm spotter in Le Claire reported just over 1 inch of rain in 30 minutes. Once the storms began to diminish, something unusual happened, reports of strong winds began to increase. A strong pressure gradient developed in response to an intense meso-high. Strong non thunderstorm winds sustained at 40 to 50 mph, with higher gusts were reported, mainly between Interstate 80 and Highway 30. With the onset of the winds, the temperature rose 9 degrees Fahrenheit, from 77 to 86 degrees, in Lowden.

Scott County

Davenport

14 1300CST

0 0

Flash Flood

Streets flooded around the intersection of Locust and Marquette streets. Reported by trained spotter.

Scott County

Davenport

14 1307CST

0 0

Thunderstorm Wind (G52)

Thunderstorm winds downed a tree, which was blocking traffic at the intersection of Locust and Marquette Streets. Reported by trained spotter.

Scott County

Bettendorf

14 1330CST

0 0

Urban/Sml Stream Fld

Street flooding reported by trained spotter.

Benton County

Mt Auburn

14 1345CST

0 0

Thunderstorm Wind (G52)

60 mile per hour thunderstorm gust reported by Fire and Rescue official.

Benton County

Vinton

14 1345CST

0 0

Thunderstorm Wind (G52)

Large Maple trees down on two farms southwest of Vinton. Reported by Emergency Management.

Scott County

Davenport

14 1353CST

0 0

Flash Flood

8 to 10 inches of water on road near the intersection of Locust and Scott Streets. Reported by off-duty NWS employee.

Scott County

Davenport

14 1353CST

0 0

Thunderstorm Wind (G52)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
IOWA, East Central and Southeast							
Scott County							Thunderstorm winds split a large tree in two, near the intersection of Locust and Scott Streets. Reported by off-duty NWS employee.
Bettendorf	14	1430CST			0	0	Flash Flood
							Major street flooding reported in the city, especially on State Street. Reported by media.
Scott County							
Bettendorf	14	1445CST			0	0	Flash Flood
							Flash flooding contributed to a five-car accident on the Interstate 74 bridge approach to the Mississippi River. There were no injuries. Reported by media.
Scott County							
Davenport	14	1500CST			0	0	Flash Flood
							Water covering River Drive on the east side of downtown Davenport. Reported by media.
Scott County							
4 NE Bettendorf	14	1520CST			0	0	Flash Flood
							Spencer Creek bridge under water at 249th Avenue. Road impassable. Reported by law enforcement.
Keokuk County							
Richland	14	1600CST			0	0	Thunderstorm Wind (G61)
							Thunderstorm winds estimated at 70 mph ripped the roof off the old Richland School building. Numerous trees and power poles were downed throughout the community.
Des Moines County							
Burlington	14	1615CST			0	0	Thunderstorm Wind (G70)
							Thunderstorm winds to 80 mph downed large trees up to two feet in diameter. Reported by trained spotter.
Iowa County							
Countywide	14	1615CST			0	0	Thunderstorm Wind (G61)
							Thunderstorms winds damaged an outbuilding south of Ladora. A machine shed was blown across the road, and five grain bins were damaged at G Avenue and 210th Street. A machine shed at F Avenue was damaged. Numerous trees were snapped and uprooted at Lake Iowa on G Avenue. Roofs were damaged in Ladora north of Interstate 80 at exit 211. A semi-trailer truck was blown over on Interstate 80 at exit 211. Reported by trained spotters and emergency management.
Iowa County							
5 SE Victor	14	1617CST			0	1	Thunderstorm Wind (G52)
							Three semi-tractor trailers were blown over on Interstate 80 at mile marker 209. The semis were blocking all lanes and the highway was closed for a time. One of the drivers was injured. Reported by law enforcement.
Benton County							
Belle Plaine	14	1619CST			0	0	Thunderstorm Wind (G52)
							60 mile an hour thunderstorm gust reported by emergency management.
Iowa County							
Victor	14	1620CST			0	0	Thunderstorm Wind (G52)
							Thunderstorm winds downed trees, and blew over semi-tractor trailers. Reported by trained spotter.
Des Moines County							
West Burlington	14	1628CST			0	0	Thunderstorm Wind (G52)
							60 mile an hour thunderstorm gust downed trees and power lines. Reported by trained spotter.
Des Moines County							
Burlington	14	1629CST			0	0	Thunderstorm Wind (G57) ^M
							66 mile an hour thunderstorm gust measured by ASOS equipment at Burlington Airport.
Benton County							
Belle Plaine	14	1630CST			0	0	Thunderstorm Wind (G52)
							Thunderstorm winds downed trees and power lines.
Iowa County							
Countywide	14	1630CST			0	0	Thunderstorm Wind (G61)
							Thunderstorm winds estimated in excess of 70 mph produced widespread damage throughout the county. Many trees were downed in Ladora. The high winds also downed trees and damaged or destroyed outbuildings on two farms south of Ladora, and another farm west of Williamsburg.
Linn County							
Cedar Rapids	14	1630CST			0	0	Thunderstorm Wind (G52)
							Thunderstorm winds downed a tree, which was blocking a city street.
Cedar County							
West Branch	14	1640CST 1648CST			0	0	Thunderstorm Wind (G65)
							Sustained thunderstorm winds of 65 to 70 mph, with gusts to 75 mph. Trees downed. Reported by trained spotter and law enforcement.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
IOWA, East Central and Southeast							
Lee County							
2 S Donnellson	14	1640CST			0 1		Thunderstorm Wind (G52)
An area newspaper reported that thunderstorms winds blew a semi-tractor trailer onto its side on U.S. Highway 218 south of Donnellson. One person was injured, and transported to a local hospital.							
Scott County							
2 SW Bettendorf	14	1640CST 1646CST			0 0		Flash Flood
Major flooding reported on Spencer Creek near Bettendorf. Reported by emergency management.							
Washington County							
Washington	14	1644CST			0 0		Thunderstorm Wind (G52)
60 mph thunderstorm gust reported by trained spotter.							
Linn County							
Cedar Rapids	14	1645CST			0 0		Thunderstorm Wind (G61)
70 mph thunderstorm gust reported by trained spotter.							
Benton County							
2 SW Vinton	14	1646CST			0 0		Thunderstorm Wind (G52)
Thunderstorm winds uprooted large Maple trees on two farms. Reported by emergency management.							
Cedar County							
Stanwood	14	1654CST			0 0		Thunderstorm Wind (G61)
Thunderstorm wind gusts to 70 mph downed numerous trees.							
Muscatine County							
Montpelier	14	1700CST			0 0		Thunderstorm Wind (G52)
Thunderstorm winds turned over a camper and downed power lines along Highway 22 near Montpelier. Reported by media.							
Scott County							
Bettendorf	14	1715CST			0 0		Thunderstorm Wind (G61)
70 mph thunderstorm gust blew trees and traffic signals down near the intersection of Grant St. and Interstate 74. Reported by media.							
Scott County							
Davenport	14	1715CST			0 0		Thunderstorm Wind (G52)
Thunderstorms winds blew down numerous trees. Reported by off-duty NWS employee.							
Scott County							
Eldridge	14	1715CST			0 0		Thunderstorm Wind (G52)
Thunderstorm winds downed large tree limbs and a few trees. Reported by off-duty NWS employee.							
Clinton County							
Dewitt	14	1727CST			0 0		Thunderstorm Wind (G52)
60 mph thunderstorm wind gust reported by trained spotter.							
Scott County							
Le Clair	14	1740CST			0 0		Thunderstorm Wind (G52)
Thunderstorm wind gusts to 60 mph damaged buildings, blew a a barn across Territorial Road, and also blew the roof off another barn. Reported by amateur radio operator.							
Muscatine County							
.5 ENE Montpelier to	14	1701CST			0 0		Tornado (F2)
.6 ENE Montpelier		1702CST					
Scott County							
2 SSW Blue Grass to	14	1702CST			0 3		Tornado (F2)
2.5 NE Blue Grass		1706CST					
An F2 tornado touched down at 501 pm CST, around a half mile east/northeast of Montpelier, near Highway 22 and the Muscatine/Scott County line. The tornado then tracked northeast into Scott County, was on the ground about 6.5 miles, and was 200 yards wide. The tornado ripped the roof off of three homes in Blue Grass, and produced lesser damage to many other homes. Three people in Blue Grass sustained minor injuries. The tornado produced F2 damage in the area around Normandy Street in Blue Grass, before lifting 2.5 miles northeast of the community at 506 pm CST.							
Scott County							
Bettendorf	14	1711CST 1720CST			0 0		Tornado (F1)
An F1 tornado touched down in Bettendorf, just east of the Interstate 74/Highway 67 intersection, at 511 pm CST. The tornado moved northeast, and lifted in northeast Bettendorf near Norwood Drive at 520 pm CST. The tornado was on the ground for about three miles, and was 500 yards wide. It ripped the roof off one home and produced damage to several others. There were no injuries.							

Summary of 6/14/01 event: (For additional details, see individual entries for the date)

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>IOWA, East Central and Southeast</u>									
A thunderstorm complex developed over north central Missouri and south central Iowa during the early afternoon hours. The complex quickly evolved into a squall line/bow echo that swept over much of the NWS Quad Cities County Warning Area, which includes eastern Iowa, northwest and west central Illinois, and far northeast Missouri. Numerous funnel clouds and two confirmed tornadoes developed along the leading edge of the line. Three people suffered minor injuries during one of the tornadoes, and two people were injured when straight line winds blew their semi-trailer trucks over. There were no fatalities. There was widespread straight-line wind damage, along with isolated downbursts and large hail. Wind gusts up to 80 mph were reported.									
Buchanan County									
Hazleton	17	2333CST			0	0		Hail (1.75)	
Golfball sized hail reported by law enforcement.									
Buchanan County									
Lamont	17	2340CST			0	0		Hail (0.75)	
Penny sized hail reported by a trained spotter.									
Jones County									
Temple Hill	21	1120CST			0	0		Funnel Cloud	
Reported by public.									
Muscatine County									
Muscatine	21	1541CST			0	0		Hail (0.88)	
Nickel sized hail reported by law enforcement.									
Muscatine County									
Muscatine	21	1548CST			0	0		Hail (1.00)	
Quarter sized hail reported by trained spotter.									
Muscatine County									
Muscatine	21	1552CST			0	0		Hail (0.88)	
Nickel sized hail covering the ground. Reported by trained storm spotter.									
Clinton County									
Calamus	21	1735CST			0	0		Funnel Cloud	
Reported by public.									
<u>IOWA, Northeast</u>									
Fayette County									
Wadena	12	0030CST			0	0		Hail (0.75)	
Clayton County									
Mc Gregor	12	0045CST			0	0		Hail (0.75)	
The public reported hail the size of pennies and dimes.									
Chickasaw County									
New Hampton	17	2300CST			0	0	2K	7.5K	Hail (1.75)
Fayette County									
Maynard	17	2350CST			0	0	1K	5K	Hail (1.00)
The public reported hail as large as quarters and golf balls.									
Mitchell County									
2 N St Ansgar	18	2031CST			0	0		3.5K	Hail (1.00)
Fayette County									
St Lucas	18	2144CST			0	0	0.25K		Hail (0.88)
Fayette County									
4 W West Union	18	2149CST			0	0		4.5K	Hail (1.75)
Law enforcement officials and the public reported nickel to golf ball size hail.									
Clayton County									
5 N Guttenburg	30	1645CST			0	0	0.50K		Hail (1.00)
Fayette County									
Wadena	30	1715CST			0	0		2.5K	Hail (0.88)
Hail the size of nickels and quarters was reported by the public and spotters.									
<u>IOWA, Northwest</u>									
Dickinson County									
Okoboji	01	1202CST			0	0			Hail (1.00)
Large hail accumulated two and a half inches.									
Dickinson County									
4 SE Spirit Lake	01	1209CST			0	0			Hail (1.00)
Dickinson County									
3 N Terril	01	1218CST			0	0			Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
IOWA, Northwest							
Dickinson County							
3 SW Milford	01	1444CST			0	0 5K	Thunderstorm Wind (G52)
							Thunderstorm winds caused tree damage, including large branches blown down.
Lyon County							
Larchwood	10	0000CST			0	0	Hail (0.75)
Sioux County							
Hawarden	10	0029CST			0	0	Thunderstorm Wind (G52)
							Thunderstorm winds blew several trees down.
Sioux County							
Hawarden	10	0040CST			0	0	Thunderstorm Wind (G52)
Osceola County							
Sibley	10	0033CST			0	0	Thunderstorm Wind (G52)
							Thunderstorm winds caused tree damage, including blowing down a large limb across a road. The limb could not be moved by a deputy.
O'Brien County							
Sheldon	10	0035CST			0	0	Thunderstorm Wind (G52)
Woodbury County							
Sioux City	10	0106CST			0	0	Hail (0.75)
Dickinson County							
Arnolds Park	10	0112CST			0	0	Thunderstorm Wind (G52)
Sioux County							
6 S Sioux Center	11	1945CST			0	0	Hail (0.75)
Sioux County							
Alton	11	1958CST			0	0	Hail (1.00)
Sioux County							
Granville	11	2005CST			0	0	Hail (1.75)
Buena Vista County							
Alta	11	2009CST			0	0	Hail (1.00)
O'Brien County							
1 N Germantown	11	2010CST			0	0	Hail (1.50)
O'Brien County							
Paullina	11	2020CST			0	0	Hail (1.00)
O'Brien County							
Sutherland	11	2035CST			0	0	Hail (0.75)
Clay County							
2 SW Webb	11	2035CST			0	0	Hail (0.88)
Clay County							
Peterson	11	2050CST			0	0	Hail (1.00)
Clay County							
Peterson	11	2050CST			0	0	Thunderstorm Wind (G52)
Buena Vista County							
Linn Grove	11	2055CST			0	0	Hail (1.75)
Buena Vista County							
Linn Grove	11	2055CST			0	0	Thunderstorm Wind (G52)
Buena Vista County							
Linn Grove	11	2059CST			0	0	Hail (2.00)
Buena Vista County							
Rembrandt	11	2103CST			0	0	Hail (2.00)
Buena Vista County							
2 S Sioux Rapids	11	2103CST			0	0	Hail (1.75)
Buena Vista County							
Sioux Rapids	11	2106CST			0	0	Hail (1.75)
Buena Vista County							
8 E Sioux Rapids	11	2110CST 2120CST			0	0	Hail (1.00)
Buena Vista County							
Marathon	11	2125CST			0	0	Hail (1.25)

Storm Data and Unusual Weather Phenomena

								June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed		Estimated Damage Property Crops	Character of Storm
<u>IOWA, Northwest</u>								
Clay County								
5 NW Webb	11	2100CST			0	0		Hail (1.00)
Clay County								
Fostoria	11	2106CST			0	0		Hail (0.75)
Clay County								
3 W Spencer	11	2115CST			0	0		Hail (0.75)
Clay County								
5 E Fostoria	11	2118CST			0	0		Hail (1.00)
Dickinson County								
1 SW Terril to Terril	11	2119CST 2122CST			0	0		Hail (0.88)
Clay County								
Spencer	11	2135CST			0	0		Hail (0.75)
O'Brien County								
6 S Hartley	11	2147CST			0	0		Hail (0.75)
Clay County								
5 NW Webb	11	2155CST			0	0		Hail (1.00)
Clay County								
Royal	11	2201CST			0	0		Hail (0.75)
Clay County								
2 SW Webb	11	2222CST			0	0		Hail (0.75)
Buena Vista County								
8 E Sioux Rapids	11	2230CST			0	0		Hail (0.75)
Osceola County								
1 NE Harris	12	1517CST			0	0		Hail (1.00)
Osceola County								
Ocheyedan	12	1528CST			0	0		Hail (0.75)
O'Brien County								
7 NW Hartley	12	1640CST			0	0		Hail (0.75)
Osceola County								
5 E Melvin	12	1643CST			0	0		Hail (0.75)
Osceola County								
May City	12	1650CST			0	0		Hail (1.00)
Lyon County								
Inwood	12	1703CST			0	0		Hail (1.00)
Lyon County								
Rock Rapids	12	1741CST			0	0		Hail (0.75)
Lyon County								
George	12	1742CST			0	0		Hail (1.00)
Sioux County								
Rock Vly	12	1745CST			0	0		Hail (0.88)
Sioux County								
Rock Vly	12	1809CST			0	0		Hail (0.88)
Sioux County								
Rock Vly	12	1815CST			0	0		Hail (1.75)
Sioux County								
8 S Rock Vly	12	1745CST			0	0		Tornado (F0)
A brief tornado caused no reported damage or injuries.								
Lyon County								
Doon	12	1815CST			0	0		Hail (1.00)
Lyon County								
Rock Rapids	12	1836CST			0	0		Hail (0.75)
Lyon County								
Larchwood	12	1844CST			0	0		Thunderstorm Wind (G61)
Lyon County								
George	12	1845CST			0	0		Hail (1.75)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
IOWA, Northwest									
Sioux County									
2 E Boyden	12	1840CST			0	0		Hail (1.50)	
Sioux County									
Sheldon	12	1853CST			0	0		Hail (1.00)	
Sioux County									
Sheldon	12	1857CST			0	0		Hail (0.88)	
Sioux County									
Sheldon	12	1904CST			0	0		Thunderstorm Wind (G54) ^M	
Osceola County									
May City	12	1900CST			0	0		Hail (1.75)	
Dickinson County									
Milford	12	1919CST			0	0		Hail (0.75)	
Osceola County									
Ashton	12	1945CST			0	0	100K 200K	Hail (1.75)	
Osceola County									
May City	12	1945CST			0	0	100K 200K	Hail (1.00)	
Osceola County									
Ocheyedan	12	1945CST			0	0	100K 200K	Hail (2.75)	
Osceola County									
Ocheyedan	12	1946CST			0	0	100K 200K	Hail (1.00)	
Osceola County									
2 W Harris	12	1947CST			0	0	100K 200K	Hail (1.75)	
Large hail broke windshields and otherwise damaged vehicles. Crop damage occurred, mainly to corn and soybean crops, with 25 thousand acres damaged or destroyed.									
Dickinson County									
10 S Lake Park	12	1948CST			0	0	100K	Hail (1.75)	
Large hail caused damage to vehicles, and to the siding and windows of some buildings.									
Dickinson County									
Lake Park	12	1950CST			0	0	100K	Hail (1.75)	
Large hail caused damage to vehicles, and to the siding and windows of some buildings.									
Dickinson County									
Okoboji	12	1950CST			0	2	100K	Hail (1.75)	
Large hail injured 2 people, and caused damage to vehicles and buildings.									
Dickinson County									
10 W Milford	12	1958CST			0	0	100K	Hail (1.75)	
Large hail caused damage to vehicles, and to the siding and windows of some buildings.									
Dickinson County									
10 W Milford	12	1958CST			0	0		Thunderstorm Wind (G52)	
Dickinson County									
Lake Park	12	1959CST			0	0		Hail (1.75)	
Dickinson County									
3 W Lake Park	12	2009CST			0	0		Hail (0.75)	
Dickinson County									
Lake Park	12	2010CST			0	0		Hail (0.75)	
Dickinson County									
Spirit Lake	12	2020CST			0	0		Hail (1.75)	
Dickinson County									
Spirit Lake	12	2020CST			0	0	300K	Thunderstorm Wind (G61)	
Thunderstorm winds caused widespread tree damage, including large trees blown down. Some of the trees landed on vehicles and houses and caused further damage.									
Dickinson County									
Wahpeton	12	2021CST			0	0		Hail (1.00)	
Dickinson County									
1 S Montgomery	12	2026CST			0	0		Tornado (F0)	
A brief tornado caused no reported damage.									
Dickinson County									
Spirit Lake	12	2046CST			0	0	500K	Hail (1.75)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
IOWA, Northwest							
Large hail caused severe damage to vehicles and also damaged buildings. Crop damage was suspected in the area but no estimates were available.							
Dickinson County							
Spirit Lake	12	2046CST			0	0	Tornado (F0)
A rope tornado was observed with dust or debris, but there were no reports of damage available.							
Dickinson County							
6 E Spirit Lake	12	2053CST			0	0	Hail (1.00)
Lyon County							
Rock Rapids	12	1955CST			0	0	Hail (0.75)
Lyon County							
5 E George	12	2010CST			0	0	Hail (1.00)
Lyon County							
4 N George	12	2012CST			0	0	Tornado (F0)
A brief tornado caused no reported damage or injuries.							
Lyon County							
6 N George	12	2015CST			0	0	Hail (1.75)
Lyon County							
6 N George	12	2015CST			0	0 20K	Thunderstorm Wind (G65)
Thunderstorm winds knocked down power poles and lines, causing power outages in Lyon and Osceola Counties.							
Osceola County							
Ashton to Harris	12	2000CST 2200CST			0	0	Flash Flood
Flash flooding caused by very heavy rain caused Otter Creek to flood fields east of Ashton. Roads in Harris were also flooded. Law enforcement reported that several other creeks flooded and that many low areas on roads were flooded.							
Osceola County							
7 S Melvin	12	2038CST			0	0	Hail (0.88)
Osceola County							
Ocheyedan	12	2045CST			0	0	Tornado (F0)
A brief tornado caused no reported damage or injuries.							
Lyon County							
5 SE George	12	2055CST			0	0	Hail (2.50)
Large hail damaged vehicles and crops in the area. The amount of crop damage was not known.							
Lyon County							
5 SE George	12	2055CST			0	0 10K	Thunderstorm Wind (G61)
Thunderstorm winds caused tree damage, including at least one tree blown down and several large branches broken off.							
Lyon County							
George to Rock Rapids	12 13	2109CST 0000CST			0	0 4M	Flash Flood
Very heavy rain caused flash flooding, forcing streams including the Kanaranzi River, Rio Grand, and Moon Creek to overflow and flood homes, garages, and storage sheds in George. Flooding of roads and other lowlands was widespread. A road washed out and at least four bridges were damaged in George.							
Osceola County							
May City	12	2130CST			0	0	Hail (1.75)
Dickinson County							
5 NE Spirit Lake	12	2225CST			0	0	Hail (1.00)
IAZ012-020							
Sioux - Plymouth	13 20	0600CST 0600CST			0	0	Flood
Flooding along the Big Sioux River affected cropland, with some crops expected to survive due to the relatively short time fields were under water. Boat docks and some roads along the river were closed due to the flooding.							
Woodbury County							
Sioux City	13	1727CST			0	0	Hail (0.88)
Plymouth County							
4 SW Merrill	13	1745CST			0	0	Hail (1.50)
Lyon County							
Larchwood	13	1800CST			0	0	Hail (0.75)
Sioux County							
5 N Orange City	13	1810CST			0	0	Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
IOWA, Northwest							
Plymouth County							
Merrill	13	1814CST			0	0	Hail (0.75)
Plymouth County							
2 S Hinton	13	1820CST			0	0	Hail (0.75)
Lyon County							
Inwood	13	1835CST			0	0	Hail (0.75)
Lyon County							
3 N Rock Rapids	13	1845CST			0	0	20K
Thunderstorm winds blew the roof off a large barn and damaged the walls of the barn.							
Sioux County							
Hawarden	13	1849CST			0	0	Hail (0.88)
Woodbury County							
(Sux)Sioux City Arpt	13	1900CST			0	0	Thunderstorm Wind (G58) M
Woodbury County							
Sioux City	13	1909CST			0	0	100K
Thunderstorm winds blew down trees and power lines. Some vehicles were damaged by debris.							
Plymouth County							
2 W James	13	1914CST			0	0	Hail (0.75)
Sioux County							
3 W Sheldon	13	1920CST			0	0	Hail (1.75)
Woodbury County							
2 W Salix	13	1935CST			0	0	Thunderstorm Wind (G52)
Thunderstorm winds caused tree damage, including two inch diameter limbs blown down.							
O'Brien County							
3 SE Sheldon	13	1938CST			0	0	Thunderstorm Wind (G61)
Thunderstorm winds caused tree damage, including up to three foot diameter trees blown down.							
O'Brien County							
Paullina	13	1940CST			0	0	150K
Thunderstorm winds caused tree damage, with a large tree limb falling on a garage.							
Plymouth County							
2 SE Le Mars	13	1940CST			0	0	30K
Thunderstorm winds tore part of the roof and walls from a metal machine shed. Debris damaged a nearby garage. There was also tree and power line damage, and a resulting power outage.							
Plymouth County							
Kingsley	13	1945CST			0	0	30K
Thunderstorm winds uprooted large trees, caused other tree damage, and destroyed a machine shed.							
Plymouth County							
Remsen	13	1945CST			0	0	Heavy Rain
Heavy rain caused water ponding on streets and other low areas.							
Osceola County							
Sibley	13	1943CST			0	0	Thunderstorm Wind (G52)
Osceola County							
2 E Cloverdale	13	1945CST			0	0	Thunderstorm Wind (G57)
Osceola County							
2 N Melvin	13	1952CST			0	0	Tornado (F0)
A brief tornado caused no reported damage or injuries.							
Osceola County							
4 NW Harris	13	1955CST			0	0	Thunderstorm Wind (G52)
Osceola County							
2 NE Sibley	13	2002CST			0	0	200K
Thunderstorm winds caused widespread tree damage, blew down power lines, and destroyed or damaged several large sheds and a silo on a farm. The severe winds also resulted in four calves being killed.							
Osceola County							
5 E Melvin	13	2015CST			0	0	Thunderstorm Wind (G52)
Osceola County							
2 W Ocheyedan	13	2020CST			0	0	100K
Thunderstorm winds destroyed an airplane hangar, a small airplane in the hangar, and a machine shed.							

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
IOWA, Northwest							
Cherokee County							
Marcus	13	1952CST			0	0	Thunderstorm Wind (G52)
			Thunderstorm winds caused tree damage.				
Dickinson County							
Arnolds Park	13	2005CST			0	0	50K Thunderstorm Wind (G61)
			Thunderstorm winds blew down trees and power lines.				
Dickinson County							
Lake Park	13	2025CST			0	0	Thunderstorm Wind (G61)
Dickinson County							
Lake Park	13	2041CST			0	0	50K Thunderstorm Wind (G61)
			Thunderstorm winds blew down trees and power lines.				
Dickinson County							
Milford	13	2041CST			0	0	50K Thunderstorm Wind (G61)
			Thunderstorm winds blew down trees and power lines.				
Dickinson County							
Wahpeton	13	2041CST			0	0	50K Thunderstorm Wind (G61)
			Thunderstorm winds blew down trees and power lines.				
Dickinson County							
Wahpeton	13	2102CST			0	0	20K Thunderstorm Wind (G52)
			Thunderstorm winds blew down power lines.				
Dickinson County							
2 SE Superior	13	2103CST			0	0	Thunderstorm Wind (G52)
O'Brien County							
1 S Calumet to 2 N Sutherland	13	2020CST 2035CST			0	0	200K Tornado (F1)
			A tornado downed trees in Calumet and Sutherland, some of which caused severe damage to homes. The tornado also blew chimneys off at least two houses, caused other tree damage, knocked down power lines, and destroyed the concession stand at a softball field.				
Woodbury County							
6 E Bronson	13	2035CST			0	0	Thunderstorm Wind (G57)
Woodbury County							
Correctionville	13	2049CST 2052CST			0	0	Thunderstorm Wind (G57)
Woodbury County							
Correctionville	13	2058CST			0	0	Hail (0.88)
Woodbury County							
Pierson	13	2100CST			0	0	500K Thunderstorm Wind (G61)
			Thunderstorm winds damaged power lines and trees. The winds also damaged buildings, including roofs, siding, and windows. A barn and grain bin were destroyed.				
Clay County							
Spencer	13	2035CST			0	0	300K Thunderstorm Wind (G77) ^M
			Thunderstorm winds caused widespread tree damage, with several streets blocked by fallen trees. Some vehicles were damaged by tree debris. The winds tore a wall and part of the roof from a racquet club building. Power lines and poles were blown down, resulting in a one hour power outage which affected almost all of the city of Spencer.				
Clay County							
5 SE Langdon	13	2045CST			0	0	Thunderstorm Wind (G61)
			Thunderstorm winds caused tree damage.				
Clay County							
3 SE Langdon	13	2045CST			0	0	20K Thunderstorm Wind (G61)
			Thunderstorm winds caused tree damage, and blew the roof off a building.				
Osceola County							
3 S Ochevedan	13	2100CST			0	0	Thunderstorm Wind (G61)
			Thunderstorm winds caused tree damage, including 2 foot diameter trees blown down.				
Ida County							
16 NW Ida Grove	13	2110CST			0	0	Tornado (F0)
			A brief tornado caused no reported damage.				
Cherokee County							
Cherokee	13	2115CST 2125CST			0	0	20K Thunderstorm Wind (G61)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
IOWA, Northwest							
Thunderstorm winds caused tree and power line damage, resulting in power outages. Several trees were blown completely down, including one which damaged the porch of a house.							
Cherokee County							
Marcus	13	2115CST			0	0	Thunderstorm Wind (G52)
Cherokee County							
Washta	13	2115CST			0	0	Thunderstorm Wind (G52)
Cherokee County							
Quimby	13	2118CST			0	0	Tornado (F0)
A brief tornado caused no reported damage or injuries.							
Buena Vista County							
Alta	13	2130CST			0	0	Thunderstorm Wind (G57)
Thunderstorm winds caused tree damage, including numerous trees blown down.							
Ida County							
5 S Ida Grove	13	2135CST			0	0 2K	Thunderstorm Wind (G61)
Thunderstorm winds lifted an empty 11 thousand bushel metal grain bin from its concrete base, and dropped it in a nearby field, destroying it.							
Ida County							
4 SW Ida Grove	13	2157CST			0	0	Thunderstorm Wind (G61)
Buena Vista County							
2 S Storm Lake	13	2230CST 2240CST			0	0	Thunderstorm Wind (G52)
Cherokee County							
Cherokee	18	1800CST			0	0	Hail (0.88)
Ida County							
6 SW Holstein	18	1811CST			0	0	Hail (1.75)
Ida County							
5 SW Holstein	18	1816CST			0	0	Hail (0.75)
Woodbury County							
Hornick	18	1812CST			0	0	Hail (1.00)
Woodbury County							
Oto	18	1819CST			0	0	Hail (0.88)
Clay County							
8 SE Spencer	18	1819CST			0	0	Hail (0.75)
Buena Vista County							
Sioux Rapids	18	1827CST			0	0	Hail (0.75)
IOWA, Southwest							
Pottawattamie County							
Carson	01	1345CST			0	0	Hail (0.75)
Pottawattamie County							
5 W Carson	01	1345CST			0	0	Hail (0.75)
Harrison County							
1 W Missouri Vly	01	1349CST			0	0	Hail (0.88)
Montgomery County							
Elliott	01	1359CST			0	0	Hail (1.00)
Shelby County							
1 W Portsmouth	10	0232CST			0	0	Hail (0.75)
One or two penny size hailstones reported by the public.							
Monona County							
Blencoe	12	1035CST			0	0	Hail (1.75)
Monona County							
Soldier	12	1058CST			0	0	Hail (0.75)
Harrison County							
4 NE Little Sioux	13	1903CST			0	0	Thunderstorm Wind (G52) M
Cooperative Observer measured a 60 mph thunderstorm wind gust weather equipment.							
Monona County							
6 NNW Whiting	13	2020CST 2021CST			0	0	Tornado (F0)
A brief touchdown of a tornado in open country in extreme northwest Monona county, reported by the public.							

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
IOWA, Southwest							
Monona County							
Soldier	13	2125CST			0	0	Thunderstorm Wind (G55)
							Thunderstorm wind gusts knocked down 3 inch tree limbs in Soldier.
Harrison County							
4 NE Little Sioux	17	1315CST			0	0	1K Thunderstorm Wind (G55)
							Thunderstorm winds uprooted several trees causing damage to 2 sheds near Little Sioux.
Mills County							
Pacific City	17	2257CST			0	0	Thunderstorm Wind (G56)
							A ham radio operator reported a 65 mph thunderstorm wind gust.
Fremont County							
7 NE Farragut	17	2307CST 2310CST			0	0	Thunderstorm Wind (G55)
							Thunderstorm winds from storms south of the area caused enough outflow to down trees along highway 2 northeast of Farragut.
Page County							
Shenandoah	17	2310CST			0	0	Thunderstorm Wind (G50)
							Thunderstorm wind gusts downed power lines in town.
Mills County							
Glenwood	18	0010CST 0020CST			0	0	Thunderstorm Wind (G55)
							Thunderstorms mostly south of the region caused wind gusts over 60 mph downing power lines around Glenwood and over much of Mills county.
Montgomery County							
Red Oak	18	0019CST			0	0	Thunderstorm Wind (G55)
							Thunderstorm winds downed power lines and trees around the Red Oak area.
Harrison County							
2 N Modale	18	1859CST			0	0	Tornado (F0)
							Harrison county fire and rescue reported a brief tornado touchdown near Modale. The tornado was from the same supercell which produced the reported tornado near Tekamah, Nebraska earlier that hour. This tornado also touched down in open country and caused no apparent damage.
Harrison County							
5 N Missouri Vly	18	1905CST			0	0	Thunderstorm Wind (G52) M
							Cooperative observer measured 60 mph thunderstorm gust with wind equipment.
Harrison County							
Logan	18	1922CST			0	0	Thunderstorm Wind (G55)
							Storm spotter reported an estimated wind gust of 60 to 70 mph.
Shelby County							
1 N Harlan	18	1945CST			0	0	Thunderstorm Wind (G62) M
							Cooperative observer measured a thunderstorm wind gust of 71 mph.
Harrison County							
Logan	18	1950CST			0	0	Thunderstorm Wind (G50)
							Thunderstorm wind gusts downed numerous tree limbs across town.
Pottawattamie County							
4 W Crescent	18	1952CST			0	0	Hail (0.75)
Pottawattamie County							
4 W Crescent	18	2000CST			0	0	Hail (1.00)
Pottawattamie County							
1 E Council Bluffs	18	2020CST			0	0	Hail (1.25)
Pottawattamie County							
Oakland	18	2049CST			0	0	Hail (0.75)
KANSAS, East							
Marshall County							
2 NW Axtell	01	1540CST			0	0	Hail (0.75)
Nemaha County							
Baileyville	01	1545CST			0	0	Thunderstorm Wind (G61)
Nemaha County							
5 NW Seneca	01	1545CST			0	0	Thunderstorm Wind (G52)
Brown County							
10 S Fairview	01	1558CST			0	0	Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>KANSAS, East</u>							
Lyon County							
Emporia	01	1605CST			0	0	Hail (1.00)
Brown County							
Horton	01	1607CST			0	0	Hail (0.75)
Jackson County							
3 NW Whiting	01	1620CST			0	0	Hail (0.75)
Jefferson County							
Valley Falls	01	1631CST			0	0	Thunderstorm Wind (G52)
Jefferson County							
Nortonville	01	1635CST			0	0	Hail (1.75)
Jefferson County							
Winchester	01	1640CST			0	0	Hail (1.75)
Jefferson County							
Mc Louth	01	1655CST			0	0	Thunderstorm Wind (G61)
Jefferson County							
Mc Louth	01	1658CST			0	0	Hail (0.88)
Jefferson County							
Mc Louth	01	1658CST			0	0	Thunderstorm Wind (G52)
Jefferson County							
3 S Oskaloosa	01	1728CST			0	0	Hail (1.00)
Jefferson County							
Mc Louth	01	1730CST			0	0	Hail (0.75)
Jefferson County							
Ozawkie	01	1742CST			0	0	Hail (0.75)
Thunderstorms developed over north central through east central Kansas late in the afternoon of the 1st and many became severe and produced numerous reports of large hail and strong winds.							
Ottawa County							
3 SE Tescott	03	2245CST			0	0	Hail (1.00)
Brown County							
Hiawatha	03	2340CST			0	0	Flash Flood
	04	0100CST					
Heavy rains produced flash flooding and caused some roads to be covered by water for a time.							
Nemaha County							
Seneca	03	2340CST			0	0	Flash Flood
	04	0100CST					
Heavy rains produced flash flooding for a time with many roads covered by water for a time.							
Washington County							
Morrowville	05	0236CST			0	0	Hail (0.75)
Marshall County							
6 S Oketo	05	0343CST			0	0	5K Lightning
Lightning struck a house and started a fire that did major damage to the structure.							
Jefferson County							
Valley Falls	05	0430CST			0	0	Urban/Sml Stream Fld
Heavy rains caused water to overflow roads for a brief time.							
Nemaha County							
3 N St Benedict	05	2110CST			0	0	Urban/Sml Stream Fld
Heavy rains caused Turkey creek to briefly go out of its banks.							
Marshall County							
Vliets	05	2202CST			0	0	Urban/Sml Stream Fld
Heavy rains caused brief minor flooding near Vliets.							
Republic County							
Scandia	13	1828CST			0	0	Hail (1.00)
Republic County							
3 SE Republic	13	1855CST			0	0	Hail (0.75)
Republic County							
5 NW Munden	13	1905CST			0	0	Hail (0.88)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
KANSAS, East								
Republic County								
4 NW Munden	13	1929CST			0	0		Hail (0.75)
Republic County								
3 NW Munden	13	1932CST			0	0		Hail (0.88)
Republic County								
1 N Munden to 3 N Narka	13	1946CST 2010CST			0	0	120K	Tornado (F1)
A tornado formed just north of Munden and moved northeast doing considerable damage to several farmsteads before moving into Nebraska.								
Republic County								
2 SW Narka to 3 NE Narka	13	1958CST 2025CST			0	0	45K	Tornado (F0)
A tornado formed southwest of Narka and moved northeast doing some damage to the community of Narka before crossing into Nebraska.								
Republic County								
Belleville	13	2259CST			0	0		Thunderstorm Wind (G61)
Republic County								
Munden	13	2310CST			0	0		Thunderstorm Wind (G52)
Republic County								
Cuba	14	0010CST			0	0	2K	Thunderstorm Wind (G52)
Strong winds downed power lines near Cuba. Thunderstorms developed over north central Kansas and became severe producing large hail strong winds and 2 tornadoes (discussed separately).								
Coffey County								
Le Roy	14	1220CST			0	0		Thunderstorm Wind (G70)
Anderson County								
Greely	14	1230CST			0	0		Thunderstorm Wind (G61)
Anderson County								
4 E Westphalia	14	1230CST			0	0	6K	Thunderstorm Wind (G65)
Strong winds damaged a garage and drove a beam through the wall of a house.								
Anderson County								
Garnett	14	1240CST			0	0	7K	Thunderstorm Wind (G60)
Strong winds damaged a car and blew down a tree on a van doing considerable damage.								
Anderson County								
Garnett	14	1245CST			0	0		Thunderstorm Wind (G55)
Thunderstorms developed over east central Kansas early in the afternoon of the 14th. Many became severe and produced numerous reports of damaging winds.								
Riley County								
1 S Manhattan	16	1715CST			0	0		Hail (0.75)
Dickinson County								
Enterprise	16	1727CST			0	0		Hail (0.88)
Dickinson County								
Elmo	16	1730CST			0	0		Hail (1.00)
Riley County								
4 SE Manhattan	16	1732CST			0	0		Hail (1.00)
Dickinson County								
5 W Abilene	16	1734CST			0	0		Hail (1.75)
Riley County								
Ogden	16	1823CST			0	0		Hail (1.00)
Riley County								
Manhattan Arpt	16	1826CST			0	0		Hail (1.00)
Riley County								
Manhattan Arpt	16	1830CST			0	0		Hail (1.75)
Geary County								
12 ENE Junction City	16	1834CST			0	0		Hail (0.75)
Riley County								
Manhattan	16	1836CST			0	0		Hail (1.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
KANSAS, East								
Riley County								
1 NE Manhattan	16	1840CST			0	0		Hail (2.50)
Wabaunsee County								
2 SW Volland	16	1840CST			0	0		Hail (1.00)
Riley County								
8 SE Manhattan	16	1842CST			0	0		Hail (2.75)
Riley County								
Manhattan	16	1844CST			0	0		Hail (2.00)
Pottawatomie County								
St George	16	1847CST			0	0		Hail (1.00)
Pottawatomie County								
4 NW St George	16	1849CST			0	0		Hail (2.75)
Pottawatomie County								
Wamego	16	1855CST			0	0		Hail (1.75)
Wabaunsee County								
2 N Alta Vista	16	1855CST			0	0		Hail (1.75)
Geary County								
Junction City	16	1900CST 2030CST			0	0		Flash Flood
Heavy rains from thunderstorms in the area caused water to overflow many roads across the county for a time.								
Wabaunsee County								
Alma	16	1900CST 2030CST			0	0		Flash Flood
Heavy rains from thunderstorms in the area caused flooding of many roads in the county for a time.								
Geary County								
10 SE Junction City	16	1908CST			0	0		Hail (1.00)
Pottawatomie County								
5 NW St Marys	16	1908CST			0	0		Hail (0.88)
Pottawatomie County								
6 S Westmoreland	16	1908CST			0	0		Hail (1.75)
Dickinson County								
Abilene	16	1915CST			0	0		Hail (0.75)
Geary County								
14 SE Junction City	16	1915CST			0	0	1K	Lightning
Lightning struck a house and ignited a fire in the attic which did minor damage.								
Shawnee County								
Auburn	16	1917CST			0	0		Hail (0.75)
Morris County								
3 E Dwight	16	1925CST			0	0		Hail (1.75)
Jackson County								
5 N Delia	16	1929CST			0	0		Hail (0.88)
Jackson County								
2 W Hoyt	16	1943CST			0	0		Hail (0.75)
Jefferson County								
Meriden	16	1955CST			0	0		Thunderstorm Wind (G52)
Jefferson County								
Ozawkie	16	2003CST			0	0		Hail (0.88)
Riley County								
Manhattan	16	2006CST			0	0		Hail (1.00)
KSZ056								
Franklin	16	2008CST			0	0		High Wind (G68)
Strong non-thunderstorm winds near 80 mph moved across Ottawa for a short period.								
Riley County								
Manhattan	16	2009CST			0	0		Hail (1.75)
Jackson County								
Circleville	16	2010CST			0	0		Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
KANSAS, East							
Riley County							
Manhattan	16	2011CST			0	0	Hail (1.00)
Riley County							
1 NE Manhattan	16	2012CST			0	0	Hail (1.25)
Jefferson County							
Oskaloosa	16	2019CST			0	0	Hail (1.00)
Jefferson County							
Oskaloosa	16	2022CST			0	0	Hail (0.88)
Pottawatomie County							
Flush	16	2025CST			0	0	Hail (0.88)
Brown County							
Hiawatha	16	2105CST			0	0	Hail (0.75)
Thunderstorms developed during the late afternoon hours of the 16th and continued into the evening hours as they gradually moved east. Many became severe with numerous reports of large hail and some damaging winds. Hail the size of baseballs fell in the Manhattan and St. George areas. Heavy rains with the storms produced flash flooding near Junction City and Alma.							
Dickinson County							
Detroit	17	0530CST			0	0	Hail (1.75)
Riley County							
Manhattan	17	0530CST			0	0	Hail (1.50)
Jackson County							
5 E Hoyt	19	0127CST			0	0	2K Lightning
Lightning struck a propane tank and started a fire that did minor damage as well as burning most of the propane.							
Shawnee County							
6 SSE Tecumseh	19	0243CST			0	0	150K Lightning
Lightning struck a house and ignited a fire that did extensive damage to the structure. No one was injured.							
Shawnee County							
Topeka	19	0310CST			0	0	375K Lightning
Lightning struck a church and ignited a fire that totally destroyed the church.							
Franklin County							
4 SE Ottawa	19	0500CST			0	0	7K Lightning
Lightning struck a storage barn and ignited a fire that damaged the structure and much of its contents. Thunderstorms over northeast and east central Kansas the early morning hours of the 19th produced lightning which struck several structures and did extensive damage to some of them. Total damage caused by lightning was estimated well over one half million dollars.							
Clay County							
Green	19	1902CST			0	0	Hail (0.75)
Riley County							
4 W Riley	19	1925CST			0	0	Hail (1.75)
Clay County							
4 W Wakefield	19	1940CST			0	0	Hail (0.75)
Clay County							
7 SW Wakefield	19	2007CST			0	0	Hail (0.75)
Dickinson County							
5 NW Upland	19	2010CST			0	0	Hail (0.75)
Riley County							
4 W Riley	19	2034CST			0	0	Thunderstorm Wind (G52)
Jackson County							
Holton	19	2044CST			0	0	100K Flash Flood
	20	0500CST					
Heavy rains of 6 to 11 inches caused flooding in many areas. Many roads were closed and extensive crop damage occurred. Many small creeks and streams went out of their banks for a time. The heavy rains occurred over a 24 hour period beginning early on the 19th.							
Riley County							
Manhattan	19	2310CST			0	0	370K Lightning
Lightning struck a house and started a fire that destroyed the structure.							
Shawnee County							
Topeka	20	0100CST			0	0	Urban/Sml Stream Fld
		0400CST					

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, East</u>								
Runoff from heavy rains caused several streets in Topeka to be closed for a time by 2 to 3 feet of water.								
Riley County								
10 N Manhattan	20	0200CST			0	0	90K	Lightning
Lightning struck a house and started a fire that destroyed the house and its contents. This was the last in a series of lightning strikes over a 25 hour period which caused nearly 1 million dollars total damage over northeast Kansas.								
<u>KANSAS, Extreme Southeast</u>								
Bourbon County								
Redfield	03	0440CST 0450CST			0	0	1K	Hail (0.75)
Windows were also broken near Uniontown.								
Cherokee County								
Crestline	03	0605CST			0	0	0	250K Hail (1.00)
Trees were uprooted around Crestline and quarter sized hail was reported near Scammon. Sheriff's officers reported both the wheat and corn crops were damaged as quarter sized hail piled up across the northeast part of the county.								
Cherokee County								
Countywide	03	0735CST 1300CST			0	0	0	Flash Flood
Numerous low water crossings and secondary roads were water covered and impassable for several hours.								
Bourbon County								
Ft Scott	03	0835CST 0850CST			0	0	50K	Thunderstorm Wind (G52)
Numerous trees and power lines were blown down countywide, especially hit hard was the city of Fort Scott.								
Crawford County								
Arma	03	0850CST			0	0	0	Thunderstorm Wind (G52)
Numerous trees were uprooted along with dime size hail.								
Bourbon County								
Countywide	03	0930CST 1230CST			0	0	0	Flash Flood
Numerous secondary roads and low water crossings were flooded and impassable around the county, especially along Highway 31 in northern Bourbon County.								
Crawford County								
North Portion	03	1200CST 1400CST			0	0	0	Flash Flood
Numerous secondary roads were water covered and impassable, especially near Walnut.								
<u>KANSAS, North Central</u>								
Osborne County								
1 E Natoma	04	2325CST			0	0	0	Hail (0.75)
Rooks County								
6 E Codell	04	2332CST			0	0	0	50K Hail (1.00)
Osborne County								
Natoma	04	2344CST			0	0	0	Hail (0.75)
Osborne County								
3 E Osborne	05	0000CST			0	0	0	Hail (0.75)
Mitchell County								
6 SW Glen Elder	05	0045CST			0	0	0	Hail (0.75)
Mitchell County								
Beloit	05	0103CST			0	0	0	Thunderstorm Wind (G50)
Osborne County								
Osborne	13	2200CST			0	0	0	Hail (0.75)
Osborne County								
19 S Osborne	13	2305CST			0	0	0	Hail (1.75)
<u>KANSAS, Northeast</u>								
Atchison County								
Effingham	01	1616CST			0	0		Hail (0.75)
Atchison County								
5 SW Cummings	01	1629CST			0	0		Hail (1.75)
Leavenworth County								
Tonganoxie	01	1704CST			0	0		Thunderstorm Wind (G61) M

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
KANSAS, Northeast								
Leavenworth County								
1 NE Linwood	01	1712CST			0	0		Tstm Wind/Hail
Emergency manager reported thunderstorm wind gusts to 57 knots and 3/4 inch hail.								
Wyandotte County								
Bonner Spgs	01	1717CST			0	0		Thunderstorm Wind (G57) M
Thunderstorm winds downed 8 inch tree limbs.								
Johnson County								
De Soto	01	1719CST			0	0		Hail (1.75)
Johnson County								
De Soto	01	1722CST			0	0		Thunderstorm Wind (G61) M
Johnson County								
2 W Olathe	01	1722CST			0	0		Hail (2.00)
Johnson County								
Overland Park	01	1722CST			0	0		Hail (1.75)
Johnson County								
Overland Park	01	1722CST			0	0		Thunderstorm Wind (G57) M
Leavenworth County								
1 NE Linwood	01	1722CST			0	0		Hail (1.00)
Leavenworth County								
Linwood	01	1730CST			0	0		Hail (1.00)
Johnson County								
De Soto	01	1740CST			0	0		Hail (1.00)
Johnson County								
Olathe	01	1745CST			0	0	5K	Flash Flood
Flash flooding on highway 7, west of Dennis and Santa Fe. Water high enough to drown out cars.								
Miami County								
1 E Bucyrus	01	1751CST			0	0		Hail (0.88)
Miami County								
Bucyrus	01	1802CST			0	0		Hail (2.75)
Leavenworth County								
Tonganoxie	01	1954CST			0	0		Flash Flood
Emergency manager reported many roads under water around Tonganoxie, due to heavy rains in the area.								
Leavenworth County								
Leavenworth	01	2045CST			0	0		Flash Flood
County road 16 and Kansas avenue still closed due to flooding from heavy rains.								
Johnson County								
Leawood	01	2110CST			0	0		Flash Flood
Flash flooding closed road at 159th St. and State Line road.								
Leavenworth County								
Leavenworth	01	2128CST			0	0		Flash Flood
County road 16 and Kansas avenue still closed due to heavy rains.								
Atchison County								
6 W Cummings	04	0357CST			0	0		Flash Flood
Several county roads under water due to heavy rains.								
Johnson County								
Overland Park	05	2250CST			0	0		Flash Flood
Heavy rains closed Antioch and 105th St with flooding.								
Wyandotte County								
Kansas City	05	2341CST			0	0		Flash Flood
Emergency manager reported rapidly running water at Free St. and Marty, affecting railroad tracks in that location.								
Doniphan County								
Troy	14	1245CST			0	0		Thunderstorm Wind (G61)
Linn County								
Parker	14	1252CST			0	0	10K	Thunderstorm Wind (G52)
Law enforcement reported wind damage with several large trees blown down.								
Miami County								
Osawatomie	14	1254CST			0	0	2K	Thunderstorm Wind (G52)
Law enforcement reported wind damage with several large trees down.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>KANSAS, Northeast</u>							
Johnson County							
Johnson Co Arpt	14	1301CST			0	0	Thunderstorm Wind (G52) M
Johnson County							
Johnson Co Arpt	14	1309CST			0	0	20K Thunderstorm Wind (G53) M
Johnson County							
Lenexa	14	1311CST			0	0	Thunderstorm Wind (G61)
Johnson County							
Lenexa	14	1320CST			0	0	5K Thunderstorm Wind (G65)
KSZ025-103>104							
Atchison - Leavenworth - Wyandotte							
	19	0600CST			0	0	2.3M Flood
	22	2200CST					
Major flooding at the Delaware River in Muscotah and northern portions of the Stranger Creek basin. Rains in excess of 10 inches, fell over portions of Atchison county. Bridge over Stranger Creek in south central Atchison county had severe damage.							
Atchison County							
Muscotah	19	1840CST			0	0	Flash Flood
Rainfall amounts in excess of 10 inches fell over portions of Atchison county during a 12 hour period, causing extensive flooding on area roads.							
Atchison County							
Muscotah	19	2200CST			0	0	Flash Flood
The flash flood warning issued earlier due to the more than 10 inches of rain that fell, needed to be extended due to the extensive flooding on area roads.							
Leavenworth County							
Easton	19	2200CST			0	0	Flash Flood
Rainfall amounts from 4 to 10 inches fell across the area, resulting in flooding of numerous roads.							
Atchison County							
Atchison	20	0034CST			0	0	Flash Flood
Numerous roads remain flooded across the county.							
Atchison County							
Atchison	20	0329CST			0	0	Flash Flood
Flooding continues across the county with numerous roads closed.							
Leavenworth County							
Easton	20	0329CST			0	0	Flash Flood
Numerous roads closed in county due to flooding...including roads leading into Easton.							
Atchison County							
2 N Effingham	20	0909CST			0	0	Flash Flood
Roads that remain closed due to flooding include: 59 Hwy at Edwards...US 74 north of Effingham...230th and Ottawa...206th west of Rollins...Kansas 9 and Haskell...Ottawa and 286th...Sherman Rd between 242nd and 246th streets.							
Johnson County							
3 W Stilwell	26	1725CST			0	0	Thunderstorm Wind (G57)
8 inch diameter tree blown down.							
Johnson County							
Leawood	27	1310CST			0	0	Thunderstorm Wind (G57)
8 inch tree limb snapped off.							
<u>KANSAS, Northwest</u>							
Wallace County							
Sharon Spgs	09	1830MST			0	0	Thunderstorm Wind (G52)
Sherman County							
18 SW Goodland	09	1845MST			0	0	Thunderstorm Wind (G52)
Wallace County							
Sharon Spgs	10	1449MST			0	0	Hail (1.00)
Wallace County							
Sharon Spgs	10	1450MST			0	0	Hail (1.25)
Wallace County							
17 NW Sharon Spgs	10	1520MST			0	0	Hail (1.00)
Thomas County							
4 NE Colby	13	1745MST			0	0	Thunderstorm Wind (G70)
The winds blew out windows and downed 10 to 12 inch diameter tree limbs at residence.							

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>KANSAS, Northwest</u>									
Thomas County									
5 W Colby	13	1748MST			0	0		Thunderstorm Wind (G53)	
Thomas County									
Colby to	13	1750MST			0	0	50K	Thunderstorm Wind (G87)	M
5 N Colby		1805MST							
Straight line winds directly impacted the Colby area. These winds damaged trusses from a manufacturing plant north of Colby. A storage building and log cabin were completely destroyed at the plant by the high winds. Also, numerous homes and businesses sustained wind damage, such as shingles blown off roofs, windows knocked out, and siding torn off houses. The strong winds blew large tree limbs onto power lines, causing power outages throughout the area.									
Rawlins County									
13 S Mc Donald	13	1752MST			0	0		Hail (1.00)	
Sherman County									
8 W Goodland	13	1800MST			0	1		Thunderstorm Wind (G52)	
		1831MST							
The strong winds blew a semi tractor trailer over on Interstate 70, which closed the eastbound lanes of the interstate for an hour. The truck driver sustained minor injuries.									
Rawlins County									
12 SE Atwood	13	1815MST			0	0		Funnel Cloud	
Brief funnel cloud observed.									
Rawlins County									
2 SW Atwood to	13	1815MST			0	0		Hail (0.88)	
Atwood		1819MST							
Hail completely covered the ground in parts of Atwood.									
Rawlins County									
5.5 SE Atwood	13	1815MST			0	0	15K	Thunderstorm Wind (G70)	
Grain Bin destroyed from winds and hail. Crops also suffered extensive damage in the area.									
Decatur County									
5 W Oberlin to	13	1825MST			0	0		Hail (0.88)	
5 WNW Oberlin		1830MST							
Decatur County									
5 W Oberlin to	13	1825MST			0	0		Thunderstorm Wind (G52)	
5 WNW Oberlin		1830MST							
Rawlins County									
3 E Achilles	13	1830MST			0	0		Thunderstorm Wind (G57)	
Six to Seven inch diameter tree limbs down from storm.									
Decatur County									
Oberlin to	13	1835MST			0	0		Thunderstorm Wind (G65)	
Kanona		1845MST							
The strong winds nearly destroyed a barn west of Kanona. Also, the winds blew windows out of houses and destroyed a small grain bin in the area.									
Decatur County									
4 NE Oberlin	13	1840MST			0	0		Hail (1.00)	
Decatur County									
14 N Norcatur	13	1900MST			0	0		Hail (1.25)	
		1910MST							
Decatur County									
14 N Norcatur	13	1900MST			0	0		Hail (0.88)	
Norton County									
Norton	13	1905MST			0	0		Hail (1.75)	
Norton County									
Norton	13	1906MST			0	0		Thunderstorm Wind (G51)	M
Gusts to 60 mph also reported from Spotter in town.									
Sherman County									
12 NNE Goodland	17	1400MST			0	0		Thunderstorm Wind (G65)	
The winds knocked down powerlines and damaged a few trees.									
Cheyenne County									
Bird City	17	1510MST			0	0		Thunderstorm Wind (G60)	M
Thomas County									
5 NE Colby	17	1606MST			0	0		Hail (0.75)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>KANSAS, Northwest</u>							
Thomas County							
2 S Gem	17	1638MST			0 0		Thunderstorm Wind (G52)
Thomas County							
7.5 N Gem	18	1805MST			0 0		Hail (0.75)
Thomas County							
3 N Rexford	18	1810MST			0 0		Hail (0.88)
Wallace County							
6 E Sharon Spgs	25	1430MST			0 0		Thunderstorm Wind (G52)
Numerous shingles were blown off a house because of the strong winds.							
Sherman County							
11 S Ruleton	25	1713MST			0 0		Thunderstorm Wind (G52)
Sherman County							
9 S Ruleton	25	1730MST			0 0		Thunderstorm Wind (G61)
Wallace County							
3.5 NW Weskan	25	1750MST			0 0		Thunderstorm Wind (G52)
The strong winds blew down a 8 inch tree limb.							
Rawlins County							
17 N Mc Donald	29	1852MST			0 0		Thunderstorm Wind (G57)
The strong winds blew down 4 to 6 inch diameter tree limbs and knocked over power lines.							
Rawlins County							
7 NW Atwood	29	1905MST			0 0		Thunderstorm Wind (G52)
The strong winds blew down 5 to 6 inch diameter tree limbs.							
Rawlins County							
8 NE Atwood	29	1915MST			0 0		Hail (1.00)
<u>KANSAS, Southeast</u>							
Barton County							
2 E Ellinwood	01	1359CST			0 0		Hail (1.00)
Rice County							
Chase	01	1417CST			0 0		Hail (0.75)
Mcpherson County							
Mc Pherson	01	1423CST			0 0		Hail (0.75)
Mcpherson County							
Moundridge	01	1456CST			0 0		Hail (1.75)
Marion County							
Goessel	01	1505CST			0 0		Hail (0.75)
Mcpherson County							
Mc Pherson	01	1505CST			0 0		Hail (1.00)
Mcpherson County							
4 NE Moundridge	01	1505CST			0 0		Hail (1.25)
Chase County							
Saffordville	01	1550CST			0 0		Hail (0.75)
Reno County							
Huntsville	01	1650CST			0 0		Hail (1.00)
Rice County							
Chase	01	1741CST			0 0		Thunderstorm Wind (G52)
Kingman County							
Norwich	01	1800CST			0 0		Thunderstorm Wind (G52)
Cowley County							
2 W Burden	01	1815CST			0 0		Hail (1.25)
Cowley County							
Cambridge	01	1821CST			0 0		Hail (0.88)
Elk County							
2 W Howard	01	1830CST			0 0		Hail (0.75)
Reno County							
Yoder	01	1830CST			0 0		Thunderstorm Wind (G56)
Widspread tree damage.							

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed		Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, Southeast</u>									
Reno County									
Haven	01	1840CST			0	0			Hail (1.00)
Kingman County									
Nashville	01	1845CST			0	0			Hail (1.00)
Kingman County									
Nashville	01	1846CST			0	0			Hail (1.00)
Sedgwick County									
5 W Colwich	01	1856CST			0	0			Hail (0.88)
Sedgwick County									
3 W Maize	01	1856CST			0	0			Hail (0.75)
KFDI Radio.									
Chautauqua County									
1 W Sedan	01	1900CST			0	0			Hail (0.75)
Sedgwick County									
3 SW Colwich	01	1900CST			0	0			Hail (1.00)
Harper County									
2 N Attica	01	1905CST			0	0			Hail (0.75)
Sedgwick County									
Goddard	01	1905CST			0	0			Hail (1.25)
KSNW Channel 3.									
Harper County									
5 S Attica	01	1917CST			0	0			Hail (1.00)
Harper County									
3 SW Attica	01	1922CST			0	0			Hail (1.25)
Harper County									
3 SW Attica	01	1925CST			0	0			Hail (0.75)
Harper County									
14 W Anthony	01	1931CST			0	0			Thunderstorm Wind (G56)
Numerous trees downed.									
Cowley County									
1 W Tisdale	01	2030CST			0	0			Hail (1.75)
Cowley County									
5 E Winfield	01	2030CST			0	0			Hail (1.00)
Wilson County									
Altoona	03	0424CST			0	0			Hail (0.75)
Wilson County									
Altoona	03	0428CST			0	0			Hail (1.00)
Wilson County									
6 N Altoona	03	0435CST			0	0			Hail (1.00)
Wilson County									
Vilas	03	0500CST			0	0			Hail (0.75)
Wilson County									
Vilas	03	0505CST			0	0			Hail (1.25)
Harvey County									
Newton	03	0551CST			0	0			Hail (0.75)
Allen County									
2 E Iola	03	0600CST			0	0			Hail (1.00)
Woodson County									
Toronto	03	0735CST			0	0			Thunderstorm Wind (G52)
Wilson County									
5 W Coyville	03	0739CST			0	0			Thunderstorm Wind (G52)
Woodson County									
2.5 SE Toronto	03	0745CST			0	0			Thunderstorm Wind (G52)
Neosho County									
Chanute	03	0802CST			0	0			Thunderstorm Wind (G52)
Allen County									
Iola	03	0812CST			0	0			Thunderstorm Wind (G52)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>KANSAS, Southeast</u>									
Six inch branches downed.									
Labette County									
2 W Parsons	03	0825CST			0	0		Hail (0.75)	
Labette County									
Parsons	03	0850CST			0	0		Thunderstorm Wind (G52)	
Labette County									
3 NE Edna	03	0900CST			0	0		Thunderstorm Wind (G52)	
Kingman County									
Zenda	03	1955CST			0	0		Hail (0.75)	
Harper County									
9 NW Attica	03	2000CST			0	0		Hail (1.75)	
Kingman County									
4 W Cleveland	03	2005CST			0	0		Hail (1.25)	
Harper County									
6 NW Attica	03	2007CST			0	0		Tornado (F0)	
Occurred in open field.									
Kingman County									
2 SW Zenda	03	2010CST			0	0		Hail (1.75)	
Kingman County									
8 SW Kingman	03	2015CST			0	0		Hail (2.75)	
Kingman County									
Kingman	03	2020CST			0	0		Hail (2.75)	
Kingman County									
4 NE Kingman	03	2023CST			0	0		Hail (1.75)	
Reno County									
Pretty Prairie	03	2034CST			0	0		Hail (1.00)	
Kingman County									
1 W Spivey	03	2040CST			0	0		Hail (0.88)	
Kingman County									
Kingman	03	2048CST			0	0		Hail (2.50)	
Kingman County									
Zenda	03	2048CST			0	0		Hail (1.25)	
Kingman County									
Kingman	03	2050CST			0	0		Hail (2.50)	
Kingman County									
1 W Spivey	03	2100CST			0	0		Hail (0.88)	
Kingman County									
Rago	03	2110CST			0	0		Hail (0.75)	
Kingman County									
3 S Rago	03	2113CST			0	0		Tornado (F0)	
Occurred in open country.									
Barton County									
6 NW Great Bend	03	2155CST			0	0		Hail (1.75)	
Barton County									
Great Bend	03	2155CST			0	0		Hail (1.00)	
Barton County									
Great Bend	03	2156CST			0	0		Hail (1.00)	
Barton County									
2 E Great Bend	03	2202CST			0	0		Hail (1.00)	
Rice County									
Bushton	03	2203CST			0	0		Hail (1.75)	
Kingman County									
7 SE Kingman	03	2205CST			0	0		Tornado (F0)	
Occurred in open field.									
Kingman County									
2 W Norwich to 1 N Norwich	03	2205CST 2207CST			0	0		Tornado (F0)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, Southeast</u>								
Also reported by KFDI Radio, the tornado occurred in open country.								
Barton County								
2 N Great Bend	03	2208CST			0	0		Hail (1.00)
Ellsworth County								
3 SW Ellsworth	03	2208CST			0	0		Hail (1.00)
Kingman County								
3 S Murdock	03	2210CST			0	0		Tornado (F0)
Reported by KWCH Channel 12, the weak tornado occurred in open country.								
Kingman County								
8 SE Kingman	03	2215CST			0	0		Tornado (F0)
Occurred in open field.								
Ellsworth County								
10 NE Ellsworth	03	2220CST			0	0		Hail (1.00)
Barton County								
2 NE Hoisington	03	2245CST			0	0		Hail (0.75)
Reno County								
5 S Haven	03	2255CST			0	0		Hail (0.75)
Lincoln County								
5 S Vesper	03	2256CST			0	0		Hail (1.75)
Ellsworth County								
Ellsworth	03	2258CST			0	0		Hail (1.00)
Barton County								
7.5 N Claflin	03	2320CST			0	0		Hail (1.75)
Ellsworth County								
8 NE Ellsworth	03	2320CST			0	0		Hail (0.75)
Ellsworth County								
3 NE Wilson	04	0040CST			0	0		Hail (0.75)
Harper County								
7 S Anthony	04	1736CST			0	0		Hail (1.00)
Harper County								
Anthony	04	1741CST			0	0		Hail (1.75)
Harper County								
8 E Anthony	04	1811CST			0	0		Hail (0.88)
Harper County								
7 E Anthony	04	1826CST			0	0		Hail (0.88)
Harper County								
5 E Anthony	04	1830CST			0	0		Hail (1.75)
Harper County								
7 E Anthony	04	1830CST			0	0		Hail (1.75)
Harper County								
4 S Danville	04	1900CST			0	0		Hail (1.75)
Marion County								
11 S Hillsboro	04	1905CST			0	0		Hail (0.75)
Harper County								
8 SW Attica	04	2042CST			0	0		Hail (0.88)
Kingman County								
2 S Penaloza	05	1601CST			0	0		Hail (1.00)
Reno County								
5 S Lerado	05	1620CST			0	0		Hail (0.75)
Harper County								
2 N Attica	05	1635CST			0	0		Hail (1.25)
Harper County								
1 N Crystal Spgs	05	1702CST			0	0		Thunderstorm Wind (G52)
Harper County								
Attica	05	1714CST			0	0		Thunderstorm Wind (G52)
Occurred on west side of town.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>KANSAS, Southeast</u>							
Harper County							
Attica	05	1715CST			0	0	Thunderstorm Wind (G68) ^M
		KSNW Weatherlab, Attica High School.					
Harper County							
Crystal Spgs	05	1719CST			0	0	Thunderstorm Wind (G70)
Harper County							
Crystal Spgs	05	1719CST			0	0	Tornado (F0)
		Occurred in open country, but damaged a few trees.					
Harper County							
1 W Crystal Spgs	05	1725CST			0	0	Thunderstorm Wind (G52)
		Limbs of around 3 inch diameter downed.					
Harper County							
2 S Crystal Spgs	05	1727CST			0	0	Thunderstorm Wind (G65)
		Small trees downed.					
Harper County							
5 NW Harper	05	1740CST			0	0	Hail (0.75)
Harper County							
8 NW Harper	05	1740CST			0	0	Hail (1.00)
Harper County							
1 N Harper	05	1745CST			0	0	Hail (0.75)
Harper County							
2 SW Harper	05	1800CST			0	0	Hail (1.75)
Harvey County							
1 SW Halstead	05	1800CST			0	0	Thunderstorm Wind (G52)
		Downed limbs.					
Harper County							
Harper	05	1815CST			0	0	Thunderstorm Wind (G70)
		Trees with 12-16 inch diameter trunks uprooted.					
Sumner County							
7 S Argonia to	05	1828CST			0	0	Tornado (F0)
7 SE Argonia		1830CST					
		Occurred along Highway 44 from Blackstone Rd. to S Argonia Rd. Also reported by Harper County sheriff.					
Sumner County							
8 S Argonia	05	1830CST			0	0	Tornado (F0)
		Occurred in open country.					
Harper County							
6 E Harper	05	1836CST			0	0	Thunderstorm Wind (G52)
Harvey County							
Putnam	05	1838CST			0	0	Hail (0.75)
Harvey County							
Putnam	05	1838CST			0	0	Thunderstorm Wind (G61)
Harvey County							
3 NE Sedgwick to	05	1839CST			0	0	50K Tornado (F0)
4.5 NE Sedgwick		1845CST					
		Two large sheds destroyed and siding stripped from one home.					
Harvey County							
2 SE Annelly	05	1859CST			0	0	Thunderstorm Wind (G61)
		Occurred along Highway 196.					
Harvey County							
Newton	05	1902CST			0	0	Flash Flood
		2002CST					
		Significant street flooding downtown.					
Harper County							
4.5 E Anthony	05	1905CST			0	0	Flash Flood
		2005CST					
		Highway 44 flooded.					
Butler County							
Whitewater	05	1906CST			0	0	Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001								
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, Southeast</u>								
Butler County								
Whitewater	05	1906CST			0	0		Thunderstorm Wind (G52)
Butler County								
Whitewater	05	1908CST			0	0		Hail (0.75)
Butler County								
1 E Brainerd	05	1914CST			0	0		Hail (1.00)
Butler County								
Potwin	05	1919CST			0	0		Thunderstorm Wind (G65)
		Branches 1-1 1/2 feet in diameter downed.						
Butler County								
Potwin	05	1923CST			0	0		Thunderstorm Wind (G65)
		Occurred at Highway 196/NW 30th St. intersection.						
Butler County								
Potwin	05	1925CST			0	0		Hail (0.75)
Butler County								
Potwin	05	1925CST			0	0		Thunderstorm Wind (G52)
Butler County								
7 NW El Dorado	05	1927CST			0	0		Hail (1.00)
Butler County								
7 NW El Dorado	05	1933CST			0	0		Thunderstorm Wind (G70)
		Received three reports.						
Butler County								
5 NW El Dorado	05	1937CST			0	0		Thunderstorm Wind (G78)
Sumner County								
7 N Caldwell	05	1945CST			0	0		Hail (1.00)
Sumner County								
10 NW Caldwell	05	1945CST			0	0		Hail (1.00)
Sumner County								
7 N Caldwell	05	1945CST			0	0		Thunderstorm Wind (G61)
Butler County								
El Dorado Res	05	1953CST			0	0		Thunderstorm Wind (G61)
Sumner County								
Corbin	05	2001CST			0	0		Hail (1.00)
Sumner County								
1 SW South Haven to 1 SE South Haven	05	2002CST 2007CST			0	0		Tornado (F0)
		No reports of damage.						
Elk County								
9 W Howard	05	2009CST			0	0		Hail (0.75)
Butler County								
5 N Rosalia	05	2010CST			0	0		Tornado (F0)
		Occurred in open country.						
Sumner County								
1 N South Haven	05	2013CST			0	0		Thunderstorm Wind (G70)
		Trees downed across highway.						
Sumner County								
Oxford	05	2015CST			0	0		Hail (0.75)
Sumner County								
Oxford	05	2015CST			0	0		Thunderstorm Wind (G56)
Sumner County								
Oxford	05	2015CST			0	0		Thunderstorm Wind (G56)
Sumner County								
Ashton	05	2024CST			0	0		Thunderstorm Wind (G70)
Sumner County								
Ashton	05	2024CST			0	0		Tornado (F0)
		Occurred in open country.						

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>KANSAS, Southeast</u>							
Sumner County							
2 E Corbin	05	2125CST 2325CST			0	0	Flash Flood
		Roadway flooded.					
Wilson County							
5 N New Albany	05	2140CST			0	0	Hail (1.00)
Sumner County							
Geuda Spgs	05 06	2210CST 0010CST			0	0	Flash Flood
		A few roads were impassable as well as a few washed out.					
Sedgwick County							
Wichita	05	2230CST			0	0	Hail (0.75)
		Occurred at 31st S/Seneca intersection.					
Sumner County							
3 S South Haven to 4 S South Haven	05 06	2301CST 0055CST			0	0	Flash Flood
		Many roads flooded.					
Sedgwick County							
Wichita	07	1615CST			0	0	Hail (1.00)
		Occurred at 31st St. S/Seneca intersection.					
Sedgwick County							
Wichita	07	1630CST			0	0	Hail (1.00)
		Reccured at 31st St. S/Seneca intersection					
Sedgwick County							
Wichita	07	1710CST			0	0	Hail (1.00)
		Occurred at 31st St. S/Seneca intersection.					
Rice County							
3 N Lyons	08	0243CST 0345CST			0	0	Flash Flood
		Highway K-14 was covered by water and a blockade was set up.					
Russell County							
Russell	08	0358CST			0	0	Flash Flood
		Street flooding.					
Sedgwick County							
Wichita	08	0710CST			0	0	Flash Flood
		The following were flooded: The Rock Rd/17th St. N intersection, the Central Ave/West St. intersection (2-3 ft), the Maple St/Maize Rd. intersection, West St. between 2nd Ave and Central Ave., and the Zoo Boulevard/13th St. N intersection.					
Sumner County							
10 N Wellington	08	0755CST			0	0	Flash Flood
		The following were closed: Highway 81, 110th St. S/Meridian intersection, and numerous low water crossings.					
Harper County							
Anthony	12	2200CST			0	0	25K Lightning
		Lightning struck a chimney causing it to explode. Two of the bricks struck a southward-neighboring house where one brick smashed a window with the second striking the roof with sufficient force to leave a powdery, brick-red mark on the shingles. In addition to destroying the chimney, the lightning strike also blew out an exterior electrical outlet on the south side and damaged insulation in the attic.					
Russell County							
Gorham	13	2139CST			0	0	Hail (1.75)
Russell County							
Waldo	13	2250CST			0	0	Hail (0.75)
Russell County							
Waldo	13	2250CST			0	0	Thunderstorm Wind (G52)
Elk County							
10 NE Howard	14	1148CST			0	0	Thunderstorm Wind (G61)
		Branches 5-6 inches in diameter downed.					
Chautauqua County							
Sedan	14	1200CST			0	0	Thunderstorm Wind (G56)
		Major tree damage.					

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
KANSAS, Southeast							
Elk County							
Howard	14	1200CST			0 0	50K	Lightning
The northwest roof of Elk County Courthouse was struck, inflicting damage to the roof tile, the elevator, and several computers. A second lightning strike set fire to a hay barn. The barn was a total loss.							
Montgomery County							
3 N Elk City	14	1200CST			0 0		Thunderstorm Wind (G61)
Limbs at least 3 inches in diameter downed.							
Wilson County							
Coyville	14	1203CST			0 0		Thunderstorm Wind (G56)
Woodson County							
3 W Yates Center	14	1205CST			0 0	5K	Thunderstorm Wind (G70)
Windows broken out of one home and trees with 12 inch diameter trunks uprooted.							
Woodson County							
5 N Yates Center	14	1210CST			0 0	75K	Thunderstorm Wind (G70)
Barn destroyed and blown across highway, cars blown off road and power lines downed.							
Woodson County							
7 N Yates Center	14	1210CST 1225CST			0 2	100K	Thunderstorm Wind (G78)
Flat bed-trailer overturned, barn destroyed, livestock trailer picked up and thrown, barrel rolled 1 1/2 blocks and destroyed and 2-story house displaced from foundation with most of top floor removed. In addition, a couple, both around 50 years of age, were lifted by the wind with one knocked unconscious by blown debris. Both were taken to a hospital, treated, and released. Based on description of this damage, winds are being estimated at 70-78kts.							
Woodson County							
8 N Yates Center	14	1210CST			0 0	25K	Thunderstorm Wind (G70)
Barn blown down.							
Woodson County							
Yates Center	14	1210CST			0 0	35K	Thunderstorm Wind (G70)
Power lines and power poles blown down. In one instance, a large tree fell onto primary power lines that were carrying 12,000 volts resulting in power outages to part of southeast Yates Center. Another tree fell onto a vehicle causing roof damage. A health and fitness center had four of 10 plate glass windows blown out, had one of the double doors in front broken and a lock twisted. Yates Center News contributed to this report.							
Woodson County							
Yates Center to 5 N Vernon	14	1210CST 1225CST			0 0	10K	Thunderstorm Wind (G70)
Windows blown out off several houses and widespread tree damage.							
Allen County							
5 W Iola	14	1225CST			0 0		Thunderstorm Wind (G56)
Allen County							
1.5 N Humboldt	14	1230CST			0 0		Thunderstorm Wind (G61)
Allen County							
Iola	14	1230CST			0 0		Thunderstorm Wind (G52)
Widespread tree damage.							
Allen County							
2 S Gas	14	1240CST			0 0	5K	Thunderstorm Wind (G65)
Trees with trunks 15 inches in diameter uprooted and swing set blown across a yard.							
Rice County							
8 N Lyons	16	1650CST			0 0		Hail (1.00)
Ellsworth County							
10 SE Lorraine	16	1710CST			0 0		Hail (1.75)
Rice County							
8 N Lyons	16	1720CST			0 0		Hail (0.88)
Saline County							
5 SW Falun	16	1740CST			0 0		Hail (1.75)
Mcpherson County							
4 W Moundridge	16	1742CST			0 0		Thunderstorm Wind (G52)
Mcpherson County							
Windom	16	1743CST			0 0		Hail (0.88)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed		Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, Southeast</u>									
Mcpherson County									
Windom	16	1745CST			0	0			Hail (1.00)
Mcpherson County									
Moundridge	16	1749CST			0	0			Thunderstorm Wind (G56)
	Reported by KSNW Channel 3.								
Mcpherson County									
4 N Windom	16	1750CST			0	0			Hail (1.00)
Saline County									
7 SW Brookville	16	1755CST			0	0			Hail (1.25)
Barton County									
Claflin	16	1800CST			0	0			Hail (1.75)
Mcpherson County									
Mc Pherson	16	1800CST			0	0			Hail (0.88)
Mcpherson County									
5 SE Moundridge	16	1800CST			0	0			Thunderstorm Wind (G61)
	One tree uprooted.								
Mcpherson County									
5 S Marquette	16	1802CST			0	0			Hail (0.75)
Mcpherson County									
5 S Marquette	16	1802CST			0	0			Thunderstorm Wind (G61)
Rice County									
10 NW Lyons	16	1805CST			0	0			Hail (0.75)
Saline County									
12 E Bridgeport	16	1809CST			0	0			Hail (1.75)
Marion County									
4 W Durham	16	1819CST			0	0			Hail (0.75)
Ellsworth County									
3 SE Lorraine	16	1828CST			0	0			Hail (0.88)
Ellsworth County									
2 N Holyrood	16	1830CST			0	0			Hail (0.88)
Rice County									
2 W Bushton	16	1835CST			0	0			Hail (1.75)
Marion County									
5 W Tampa	16	1839CST			0	0			Hail (1.75)
Rice County									
Bushton	16	1845CST			0	0			Hail (1.75)
Marion County									
Tampa	16	1849CST			0	0			Hail (1.00)
Saline County									
4 E New Cambria	16	1856CST			0	0			Hail (1.75)
Rice County									
5 SW Bushton	16	1912CST			0	0			Hail (0.88)
Rice County									
8 SE Bushton	16	1918CST			0	0			Hail (1.50)
Rice County									
5 W Lyons	16	1930CST			0	0			Hail (2.50)
Rice County									
Lyons	16	1934CST			0	0			Hail (1.00)
Mcpherson County									
12 W Mc Pherson	16	1935CST			0	0			Hail (2.75)
Mcpherson County									
6 NW Mc Pherson	16	1935CST			0	0			Hail (2.75)
Mcpherson County									
7 SW Mc Pherson	16	1940CST			0	0			Hail (1.75)
Mcpherson County									
6 SW Mc Pherson	16	1945CST			0	0			Hail (1.75)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed		Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, Southeast</u>									
Mcpherson County									
7 S Mc Pherson	16	1958CST			0	0			Hail (1.00)
Mcpherson County									
7 S Mc Pherson	16	2002CST			0	0			Hail (1.75)
Mcpherson County									
Moundridge	16	2020CST			0	0			Thunderstorm Wind (G56)
	Several limbs blown down.								
Harper County									
4 N Attica	19	1944CST			0	0			Hail (1.00)
Saline County									
5 N Brookville	19	2027CST			0	0			Hail (0.88)
Saline County									
3 N Brookville	19	2027CST			0	0			Hail (0.88)
Saline County									
3 E Salina	19	2135CST			0	0			Hail (0.75)
Lincoln County									
2 N Beverly	19	2200CST			0	0			Hail (0.75)
Saline County									
2 S Glendale	19	2257CST			0	0			Hail (0.75)
Saline County									
2 N Brookville	19	2300CST			0	0			Hail (1.00)
Saline County									
2 E Brookville	20	0000CST			0	0			Flash Flood
	K-140 between Reese Road and Wyman Road closed for about an hour due to flooding.								
Rice County									
Lyons	20	0035CST			0	0			Hail (0.75)
Kingman County									
Norwich	20	2019CST			0	0			Hail (0.88)
Kingman County									
Kingman	20	2020CST			0	0			Thunderstorm Wind (G52)
	Power lines downed.								
Sedgwick County									
5 W Viola	20	2040CST			0	0			Thunderstorm Wind (G52)
Sumner County									
1 W Conway Spgs	20	2059CST			0	0			Hail (0.75)
Butler County									
Benton	20	2100CST			0	0			Hail (0.88)
Butler County									
Augusta	20	2120CST			0	0			Hail (0.75)
Harper County									
Attica	20	2139CST			0	0			Hail (0.88)
Marion County									
Florence	20	2205CST			0	0			Hail (1.75)
Harper County									
6 W Anthony	20	2210CST			0	0			Hail (0.88)
Marion County									
Burns	20	2225CST			0	0	25K		Thunderstorm Wind (G70)
	Barn blown down.								
Harper County									
5 SW Anthony	20	2229CST			0	0			Hail (0.88)
Chase County									
3 W Wonsevu	20	2240CST			0	0			Hail (0.88)
Butler County									
5 N De Graff	20	2245CST			0	0			Thunderstorm Wind (G70)
	Trees uprooted.								
Reno County									
3 NE Haven	20	2300CST			0	0			Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>KANSAS, Southeast</u>							
Kingman County							
3 SW Calista	20	2315CST			0	0	Hail (1.75)
Kingman County							
4 SW Calista	20	2320CST			0	0	Hail (1.00)
Sedgwick County							
3 N Mt Hope	21	0001CST			0	0	Hail (0.75)
		Corn crop damaged.					
Sedgwick County							
6 N Andale	20	2300CST			0	0	Hail (0.75)
<u>KANSAS, Southwest</u>							
Pawnee County							
2 S Rozel	01	1358CST			0	0	Hail (0.75)
Pawnee County							
1 E Garfield	01	1431CST			0	0	Hail (0.88)
Pawnee County							
7 SW Larned	01	1441CST			0	0	Hail (1.00)
Pawnee County							
12 S Larned	01	1442CST			0	0	Hail (0.75)
Pawnee County							
11 S Larned	01	1445CST			0	0	Hail (0.75)
Edwards County							
3 NE Lewis	01	1456CST 1457CST			0	0	Tornado (F0)
		Reported by three seperate storm spotters. Nothing in the area to damage.					
Edwards County							
2 NE Belpre	01	1500CST			0	0	Tornado (F0)
		Very brief contact with the ground.					
Edwards County							
Kinsley	01	1500CST			0	0	Hail (0.75)
Pawnee County							
3 S Zook	01	1500CST			0	0	Hail (0.75)
Scott County							
12 SE Scott City	01	1505CST			0	0	Thunderstorm Wind (G60)
Edwards County							
Belpre	01	1508CST			0	0	Hail (0.75)
Stafford County							
2 S Macksville	01	1510CST			0	0	Hail (0.75)
Lane County							
14 S Amy	01	1525CST			0	0	Hail (0.75)
Finney County							
19 E Friend	01	1530CST			0	0	Hail (0.88)
Stafford County							
Seward	01	1540CST			0	0	Hail (1.00)
Gray County							
14 NNE Cimarron	01	1605CST			0	0	Hail (0.75)
Finney County							
4 SSW Kalvesta	01	1610CST			0	0	Hail (1.00)
Stafford County							
1 E Zenith	01	1620CST			0	0	Hail (0.75)
Gray County							
9 NE Cimarron	01	1630CST			0	0	Hail (1.75)
Hodgeman County							
19 WSW Jetmore	01	1630CST			0	0	Hail (1.00)
Pawnee County							
5 NW Larned	01	1644CST			0	0	Hail (1.00)
Ford County							
2 NW Howell	01	1655CST			0	0	Hail (1.75)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed		Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, Southwest</u>									
Ford County									
3 NW Howell	01	1700CST			0	0			Hail (2.50)
Pawnee County									
1 S Rozel	01	1700CST			0	0			Thunderstorm Wind (G90)
		Top of light pole broken off.							
Ford County									
2 N Dodge City	01	1705CST			0	0			Hail (0.88)
Ford County									
8 W Dodge City	01	1710CST			0	0			Hail (1.50)
Ford County									
3 W Dodge City	01	1715CST			0	0			Hail (1.50)
Pawnee County									
1 S Zook	01	1720CST			0	0			Hail (0.75)
Ford County									
3 N Howell	01	1723CST			0	0			Hail (1.75)
Ford County									
1 S Dodge City	01	1725CST			0	0			Hail (0.88)
Edwards County									
2 NE Belpre	01	1730CST			0	0			Hail (0.75)
Ford County									
12 S Dodge City	01	1730CST			0	0			Hail (1.00)
Ford County									
16 S Dodge City	01	1730CST			0	0			Hail (1.75)
Ford County									
16 S Dodge City	01	1730CST			0	0			Hail (1.25)
Stafford County									
Macksville	01	1730CST			0	0			Thunderstorm Wind (G60)
Ford County									
Howell	01	1747CST			0	0			Hail (0.88)
Ford County									
4 NNW Bloom	01	1800CST			0	0			Hail (0.75)
Ford County									
10 S Howell	01	1816CST			0	0			Hail (0.75)
Ford County									
14 SW Dodge City	01	1819CST			0	0			Hail (0.75)
Pratt County									
Preston	01	1819CST			0	0			Hail (1.25)
Pratt County									
6 E Pratt	01	1821CST			0	0			Hail (0.75)
Clark County									
1 W Minneola	01	1825CST			0	0			Hail (1.00)
Clark County									
4 S Minneola	01	1830CST			0	0			Hail (0.75)
Clark County									
Minneola	01	1835CST			0	0			Hail (0.75)
Ford County									
17 S Howell	01	1835CST			0	0			Hail (0.75)
Barber County									
3 N Sharon	01	1905CST			0	0			Hail (0.75)
Pawnee County									
4 S Sanford	03	0256CST			0	0			Hail (0.75)
Edwards County									
7 NW Kinsley	03	0330CST			0	0			Hail (0.75)
Stafford County									
5 N St John	03	0400CST			0	0			Thunderstorm Wind (G70)
		Three inch diameter limbs blown down.							

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>KANSAS, Southwest</u>									
Barber County									
Hardtner	04	2025CST			0	0		Hail (0.75)	
Barber County									
Kiowa	04	2026CST			0	0		Hail (0.88)	
Clark County									
7 SE Ashland	04	2300CST			0	0		Hail (0.88)	
Ellis County									
Ellis	04	2350CST			0	0		Hail (0.75)	
Kiowa County									
7 S Greensburg	05	0000CST			0	0		Hail (1.00)	
Clark County									
13 SE Ashland	05	0007CST			0	0		Hail (0.75)	
Kiowa County									
8 N Greensburg	05	0015CST			0	0		Hail (0.88)	
Comanche County									
3 S Buttermilk	05	0030CST			0	0		Hail (0.88)	
Edwards County									
14 SE Kinsley	05	0030CST			0	0		Hail (1.50)	
Kiowa County									
16 SW Greensburg	05	0100CST			0	0		Hail (0.75)	
Comanche County									
13 SE Coldwater	05	0108CST			0	0		Hail (1.00)	
Barber County									
1 NE Lake City	05	0215CST			0	0		Hail (0.75)	
Barber County									
16 NW Medicine Lodge	05	0300CST			0	0		Hail (0.75)	
Barber County									
4 ESE Sun City	05	0300CST			0	0		Hail (0.75)	
Rush County									
Rush Center	05	0515CST			0	0		Flash Flood	
		Water over K96 to a depth of 10 inches.							
Ellis County									
3 W Victoria	05	0530CST			0	0		Flash Flood	
		Water over the road on old highway 40.							
Ness County									
7 NE Bazine	05	0530CST			0	0		Flash Flood	
		Water over county roads.							
Barber County									
5 W Sharon	05	1519CST			0	0		Hail (0.88)	
Barber County									
Sharon	05	1554CST			0	0		Hail (0.88)	
Pratt County									
10 S Pratt	05	1604CST			0	0		Hail (0.75)	
Barber County									
3 NE Sharon	05	1645CST			0	0		Hail (1.75)	
Kiowa County									
7 S Greensburg	07	1147CST 1148CST			0	0		Tornado (F0)	
		Brief contact with the ground from this landspout.							
Seward County									
15 NNW Liberal	07	1641CST			0	0		Hail (1.25)	
Seward County									
13 NNW Liberal	07	1700CST			0	0		Hail (0.75)	
Seward County									
4 WSW Liberal	07	1720CST			0	0		Hail (1.75)	
Seward County									
5 WNW Liberal	07	1730CST			0	0		Hail (0.88)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>KANSAS, Southwest</u>							
Stevens County							
Hugoton	07	1801CST			0	0	Hail (0.75)
Stanton County							
2 N Johnson	07	2245CST			0	0	Flash Flood
		Water over highway 22 to the Hamilton county line.					
Gray County							
1 N Ensign	12	1845CST			0	0	Hail (1.25)
Ford County							
5 W Dodge City	12	1850CST			0	0	Hail (0.88)
Hodgeman County							
Jetmore	13	1945CST			0	0	Hail (0.88)
Hodgeman County							
Jetmore	13	1950CST			0	0	Hail (1.00)
Hodgeman County							
2 NE Gray	13	1958CST			0	0	Tornado (F0)
		Brief contact with the ground.					
Hodgeman County							
14 NE Jetmore	13	1959CST			0	0	Hail (4.50)
Hodgeman County							
10 NW Hanston to 9 NW Hanston	13	2000CST 2005CST			0	0	Tornado (F0)
		Nothing to damage, maybe greater than F0.					
Hodgeman County							
10 NW Jetmore	13	2003CST			0	0	Hail (1.75)
Ness County							
12 SE Ness City	13	2010CST			0	0	Hail (0.88)
Hodgeman County							
7 NE Hanston to 6 NE Gray	13	2012CST 2017CST			0	0	Tornado (F0)
		Nothing to damage but was probably stronger than F0. This tornado moved into Pawnee county (same as 2017-2021 tornado in Pawnee county).					
Pawnee County							
3 NW Burdett to 4 N Burdett	13	2017CST 2021CST			0	0	Tornado (F0)
		Nothing to damage but was probably stronger than F0. This tornado crossed into the county from Hodgeman county (same as the 2012-2017 in Hodgeman).					
Hodgeman County							
8 NE Hanston	13	2020CST			0	0	Hail (1.00)
Finney County							
1 W Kalvesta	13	2025CST			0	0	Hail (0.88)
Pawnee County							
10 NNW Burdett	13	2025CST			0	0	Hail (1.75)
		Lasted 15 minutes					
Pawnee County							
2 NW Rozel	13	2028CST			0	0	Tornado (F0)
		Brief contact with the ground.					
Rush County							
Nekoma	13	2040CST			0	0	Hail (1.00)
Rush County							
4 W Rush Center	13	2040CST			0	0	Hail (1.75)
Rush County							
2 SSW Nekoma to 2.5 N Rush Center	13	2045CST 2105CST			0	0	Tornado (F0)
		Nothing to damage. Probably stronger than F0.					
Hodgeman County							
17 NW Jetmore	13	2100CST			0	0	Hail (2.75)

Storm Data and Unusual Weather Phenomena

June 2001

		Time	Path	Path	Number of	Estimated	June 2001	
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property Crops	Character of Storm	
<u>KANSAS, Southwest</u>								
Hodgeman County								
12 N Jetmore to 12 NNE Jetmore	13	2100CST 2105CST			00		Tornado (F0)	
Nothing to damage. Probably stronger than f0.								
Ness County								
10 NW Ness City	13	2102CST			00		Hail (0.75)	
Rush County								
Liebenthal	13	2113CST			00		Hail (1.75)	
Ellis County								
3 N Pfeifer	13	2115CST			00		Hail (0.88)	
Ellis County								
3 N Antonino	13	2120CST			00		Hail (0.75)	
Ellis County								
2 WSW Hays	13	2125CST			00		Hail (1.75)	
Ness County								
9 NE Ness City	13	2130CST			00		Hail (1.75)	
Ness County								
4 NE Ness City	13	2133CST			00		Hail (0.75)	
Ellis County								
Hays	13	2209CST			00		Thunderstorm Wind (G70)	
Rush County								
7 N Mc Cracken	13	2212CST			00		Hail (1.25)	
Trego County								
17 S Riga	13	2215CST			00		Hail (0.88)	
Ellis County								
9 WSW Hays	13	2235CST			00		Thunderstorm Wind (G60)	
Ness County								
1 E Ransom	13	2240CST			00		Hail (1.00)	
Ness County								
1 E Ransom	13	2240CST			00		Thunderstorm Wind (G60)	
Ellis County								
Hays	13	2305CST			00		Hail (0.75)	
Ellis County								
Hays	13	2315CST			00		Flash Flood	
Minor street flooding reported.								
Clark County								
11 NE Ashland	16	1610CST			00		Hail (0.75)	
Clark County								
12 E Ashland	16	1635CST			00		Hail (0.75)	
Clark County								
Sitka	16	1645CST			00		Hail (1.75)	
Comanche County								
3 W Protection	16	1650CST			00		Hail (0.75)	
Comanche County								
Coldwater	16	1655CST			00		Hail (0.88)	
Stafford County								
Hudson	16	1700CST			00		Hail (0.75)	
Comanche County								
1 W Protection	16	1704CST			00		Hail (1.75)	
Comanche County								
7 S Protection	16	1715CST			00		Hail (0.75)	
Clark County								
12 SE Ashland	16	1735CST			00		Hail (1.00)	
Hamilton County								
13 N Syracuse	17	1743CST			00	2K	Thunderstorm Wind	
Four power poles destroyed.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>KANSAS, Southwest</u>							
Ellis County							
14 N Hays	18	2215CST			0	0	Thunderstorm Wind (G70)
		Three inch diameter limbs blown down.					
Ellis County							
Catharine	19	0000CST			0	0	Lightning
		House was struck by lightning in the attic area and was completely destroyed by the fire that ensued.					
Comanche County							
6 S Protection	19	1740CST			0	0	Hail (2.00)
Comanche County							
1 S Buttermilk	19	1818CST			0	0	Hail (0.88)
Barber County							
6 SE Medicine Lodge	19	1903CST			0	0	Hail (1.00)
Finney County							
5 ESE Friend	20	0315CST			0	0	Hail (0.88)
Kiowa County							
Haviland	20	1845CST			0	0	Hail (0.75)
Pratt County							
5 W Cullison	20	1902CST			0	0	Hail (1.00)
Pratt County							
9 SW Pratt	20	1914CST			0	0	Hail (0.75)
Pratt County							
10 E Pratt	20	1915CST			0	0	Hail (0.75)
Pratt County							
11 SSW Pratt	20	1925CST			0	0	Hail (0.75)
Pratt County							
11 SSW Pratt	20	1925CST			0	0	Thunderstorm Wind (G60)
Pratt County							
3 E Coats	20	1930CST			0	0	Hail (2.75)
Pratt County							
9 SSW Pratt	20	1932CST			0	0	Hail (4.50)
Pratt County							
2 E Coats	20	1936CST			0	0	Hail (2.00)
Pratt County							
4 E Coats	20	1937CST			0	0	Hail (1.75)
Pratt County							
1 W Sawyer	20	1946CST			0	0	Hail (1.00)
Barber County							
6 NW Kiowa	20	1951CST			0	0	Hail (0.75)
Barber County							
4 NNW Kiowa	20	1951CST			0	0	Hail (0.75)
Barber County							
7 NNW Medicine Lodg	20	2015CST			0	0	Thunderstorm Wind (G80)
		Severe trees blown down.					
Barber County							
8 NW Medicine Lodge	20	2015CST			0	0	Thunderstorm Wind (G80)
		Trees down.					
Barber County							
12 W Kiowa	20	2100CST			0	0	Hail (1.25)
Barber County							
4 W Kiowa	20	2100CST			0	0	Hail (0.88)
Meade County							
8 S Meade	20	2150CST			0	0	Hail (0.88)
Clark County							
2 NE Sitka	20	2215CST			0	0	Hail (0.75)
Pratt County							
14 NE Pratt	20	2230CST			0	0	Thunderstorm Wind (G60)
		One to 1 1/2 inch diameter tree limbs down.					

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, Southwest</u>								
Comanche County								
17 ENE Coldwater	20	2250CST			0	0		Hail (0.88)
Barber County								
1 W Medicine Lodge	20	2300CST			0	0		Hail (0.75)
Clark County								
18 WSW Ashland	20	2315CST			0	0		Hail (1.00)
<u>KENTUCKY, Central</u>								
Hart County								
2 E Horse Cave	04	0626EST 0830EST			0	0	12K	Flash Flood
Highway 218 was closed due to high water. Three cars had to be pulled from a low lying portion of Highway 218.								
Green County								
Greensburg	04	0730EST 0830EST			0	0		Flash Flood
Highway 61 was closed, covered by 4 feet of water. One motorist was stranded by high water.								
Adair County								
Columbia	04	0830EST 0930EST			0	0		Flash Flood
Minor street flooding occurred, along with the erosion of road construction areas.								
Ohio County								
Hartford	04	1325EST			0	0		Thunderstorm Wind (G60)
Grayson County								
Caneyville	04	1345EST			0	0		Thunderstorm Wind (G60)
Butler County								
Morgantown	04	1400EST			0	0		Thunderstorm Wind (G60)
Hardin County								
Sonora	04	1420EST			0	0		Hail (0.75)
Hardin County								
Sonora	04	1420EST			0	0		Thunderstorm Wind (G61) ^M
Grayson County								
Countywide	04	1423EST			0	0		Thunderstorm Wind (G60)
Hart County								
Bonnieville	04	1431EST			0	0		Hail (0.75)
Larue County								
Hodgenville	04	1435EST			0	0		Thunderstorm Wind (G60)
Marion County								
Lebanon	04	1500EST			0	0		Thunderstorm Wind (G60)
Taylor County								
Saloma	04	1500EST			0	0		Hail (0.75)
Taylor County								
Saloma	04	1500EST			0	0		Thunderstorm Wind (G60)
Barren County								
Glasgow	04	1515EST			0	0		Thunderstorm Wind (G60)
Boyle County								
Forkland	04	1515EST			0	0		Hail (0.75)
Hart County								
Bonnieville	04	1520EST			0	0		Thunderstorm Wind (G60)
Adair County								
Columbia	04	1532EST			0	0		Thunderstorm Wind (G60)
Lincoln County								
Stanford	04	1532EST			0	0		Hail (0.75)
Adair County								
Columbia	04	1540EST			0	0		Thunderstorm Wind (G60)
Casey County								
Clements ville	04	1545EST			0	0		Hail (1.75)
Adair County								
Countywide	04	1610EST			0	0		Thunderstorm Wind (G60)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>KENTUCKY, Central</u>								
Russell County								
Countywide	04	1610EST			0	0		Thunderstorm Wind (G60)
	Trees and power lines were downed by thunderstorm winds over much of Central Kentucky.							
Harrison County								
Cynthiana	05	1955EST			0	0		Flash Flood
	06	0030EST						
	Several roads were closed by high water.							
Washington County								
Springfield	06	1615EST			0	0		Thunderstorm Wind (G60)
Taylor County								
1 S Campbellsville	06	1640EST			0	1	25K	Thunderstorm Wind (G60)
	One large tree was blown on to a resident's truck, sport utility vehicle, and motor boat. A person in one of the vehicles was injured.							
Taylor County								
3 S Campbellsville	06	1650EST			0	0		Thunderstorm Wind (G60)
Fayette County								
Countywide	06	1725EST			0	0		Thunderstorm Wind (G60)
Clark County								
Countywide	06	1735EST			0	0		Thunderstorm Wind (G60)
Clinton County								
Albany	06	1735EST			0	0		Hail (1.00)
	Numerous trees were downed by thunderstorm winds over much of Central Kentucky, mainly over areas east of Interstate 65.							
Woodford County								
Versailles	13	1510EST			0	0		Thunderstorm Wind (G60)
	Several trees were downed by thunderstorm winds.							
Russell County								
Jamestown	14	1630EST			0	0		Thunderstorm Wind (G60)
	Several trees were downed in Jamestown. Power was out across portions of the city.							
Jessamine County								
Nicholasville	15	1725EST			0	0		Thunderstorm Wind (G60)
Fayette County								
Countywide	15	1745EST			0	0		Thunderstorm Wind (G60)
	Trees and power lines were downed by thunderstorm winds.							
Scott County								
Georgetown	21	1730EST			0	0		Thunderstorm Wind (G60)
Clinton County								
Albany	21	1745EST			0	0		Thunderstorm Wind (G60)
	Trees and power lines were downed by thunderstorm winds.							
Russell County								
Salem	26	1445EST			0	0		Thunderstorm Wind (G60)
	Trees were blown on to Highway 619.							
Hardin County								
Radcliff	26	1805EST			0	0	50K	Thunderstorm Wind (G80)
	A roof was blown off a dental office building. The roof landed on a car in an adjacent parking lot. Trees were uprooted, and power lines were downed.							
Logan County								
1 S Lewisburg	27	1635EST			0	0		Thunderstorm Wind (G60)
	Trees were blown down by thunderstorm winds. One tree was blown on to a power line, knocking it down.							
Grayson County								
Leitchfield	27	1950EST			0	0		Thunderstorm Wind (G60)
	Several trees were blown down.							
<u>KENTUCKY, Eastern</u>								
Laurel County								
London	02	1702EST 1730EST			0	10	17.1M	0 Tornado (F2)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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KENTUCKY, Eastern

A strong F2 tornado with wind estimates between 135 and 155 miles per hour ripped through downtown London during the evening hours. The Carnaby Square shopping center was hard hit. The tornado was reported by eye witnesses to have been nearly stationary in the parking lot for nearly 4 minutes. During this time several automobiles including a large moving van were overtured. A 20 by 30 foot chunk of 4 inch thick blacktop from the parking lot was torn up and thrown approximately 100 feet. Merchandise from one of the stores was later found 25 miles to the east. The tornado lifted before crossing U.S. Highway 25.

The tornado touched down again along Bellinger Street between 6:15 and 6:20 pm where several homes received major damage. One duplex lost its entire roof as a mother and her two sons took shelter on the second floor. A mobile home used for storage was demolished. One block over on Morgan Street several brick and framed homes lost their entire roofs. A framed home placed on a block foundation was blown 15 feet away from the foundation.

The storm lifted as if approached the Rolling Acres Subdivision. Witnesses reported seeing two funnel clouds at this time as the storm continued moving east. Damage was confined to large trees and some shingle damage on roofs of homes.

The storm again dropped a tornado as it approached a ball park just northwest of the intersection of Kentucky Highway 192 and 80. Three of the four teams in the park took refuge in the concession stand and the fourth team remained in the dugout where parents covered the children while laying on the ground. One mid sized truck was tossed from the parking lot approximately 150 feet. Fencing from both ball diamonds was blown away.

The last major damage occurred at a mobile home sales lot near the intersection of Kentucky Highway 192 and the Daniel Boone Parkway. Eight mobile homes weighing 8 to 12 tons were totaled.

Emergency management officials reported that there were 10 minor injuries with the most serious being a broken arm. Eighteen residences were destroyed, 21 received major damage while 84 received minor damage. Twenty-six businesses suffered major damage. One church received major damage with another receiving minor damage. Thirty vehicles were destroyed and three 18 wheel tractor trailers were overturned.

Bath County

Sharpsburg

02 1715EST 0 0 0 0 Hail (1.00)

Pulaski County

Sinking Vly

02 1715EST 0 0 0 0 Thunderstorm Wind

Several trees were blown down with several large trees blocking Highway 1677.

Clay County

3 SW Manchester

**02 1740EST
1750EST 0 0 0 0 Tornado (F0)**

The tornado was reported moving through a forested area southwest of Manchester. Roofing material and other debris generated while the tornado moved through Laurel county was also reported in the air. Items from a damaged store in London was found some 20 miles away in Manchester.

Leslie County

Stinnett

02 1811EST 0 0 0 0 Thunderstorm Wind

Trees were blown down across Cherokee Lane and Turkey Foot Road.

Jackson County

Gray Hawk

04 0630EST 0 0 0 0 Hail (0.75)

Rockcastle County

15 W Roundstone

04 1600EST 0 0 0 0 Hail (0.75)

Pulaski County

10 N Somerset

04 1602EST 0 0 0 0 Thunderstorm Wind

Trees were reported to be blown down by thunderstorm winds.

Pulaski County

Somerset

04 1627EST 0 0 0 0 Hail (0.75)

Jackson County

5 E Eglon

04 1630EST 0 0 0 0 Thunderstorm Wind

Trees were reported to be downed by strong winds.

Bell County

Stoney Fork

04 1635EST 0 0 0 0 Hail (1.00)

Leslie County

1 N Hyden

04 1635EST 0 0 0 0 Thunderstorm Wind

Trees were blown down.

Pulaski County

Shopville

04 1638EST 0 0 0 0 Thunderstorm Wind (G58)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
KENTUCKY, Eastern								
Jackson County								
4 W Annville	04	1640EST			0	0	0	Thunderstorm Wind
			Trees were blown down.					
Perry County								
2 E Buckhorn	04	1640EST			0	0	0	Thunderstorm Wind
			Trees were reported to be blown down.					
Laurel County								
London	04	1642EST			0	0	0	Hail (1.00)
Pulaski County								
Somerset	04	1650EST			0	0	0	Flash Flood
			Water was flowing over several roads in the area.					
Clay County								
2 S Manchester	04	1658EST			0	0	2K	Thunderstorm Wind
			Trees and power lines were blown down.					
Harlan County								
Coldiron	04	1730EST			0	0	0	Hail (1.00)
Montgomery County								
Mt Sterling	06	1803EST			0	0	0	Thunderstorm Wind
			Severe thunderstorm winds blew numerous trees down with some blocking Kentucky Highway 11 South.					
Lee County								
3 N Beattyville	06	1853EST			0	0	0	Thunderstorm Wind
			Trees were blown down near Highway 11 North.					
Estill County								
Wagersville	06	1901EST			0	0	0	Thunderstorm Wind
			Large tree limbs were blown down blocking several roads.					
Jackson County								
3 N Mc Kee	06	1903EST			0	0	0	Thunderstorm Wind
			Trees were blown down and blocking Highway 89 North.					
Wolfe County								
Flat	06	1917EST			0	0	0	Thunderstorm Wind
			Three trees were blown down by thunderstorm winds.					
Breathitt County								
Guerrant	06	1920EST			0	0	0	Thunderstorm Wind
			Trees and large limbs were blown down along Kentucky Highways 2469 and 541.					
Leslie County								
Asher	06	2007EST			0	0	0	Thunderstorm Wind
			A Large tree was blown down blocking Middlefork Road.					
Floyd County								
Auxier	06	2009EST			0	0	0	Thunderstorm Wind
			Trees were blown down along Kentucky Highway 321.					
Wolfe County								
Campton	07	0945EST 1145EST			0	0	0	Flash Flood
			Heavy rains caused flooding of several roads. On Kentucky Highway 746, traffic was diverted around the high water.					
Floyd County								
10 W Prestonsburg	07	1000EST 1200EST			0	0	40K	Flash Flood
			Raging water in the Middle Creek forced several families from their homes after heavy rains fell across the area. Several mobile homes were flooded leaving a coating of mud throughout the interior. One car was washed up against a tree. Eight residences were affected by the high waters and 5 families had to be evacuated.					
Magoffin County								
3 W Salyersville	07	1600EST 1700EST			0	0	0	Flash Flood
			Heavy rains caused water to flood several roadways. U.S. Route 460 was closed to traffic as water flowed over the road. The road was reopened a short time later.					
Breathitt County								
Curt	07 08	2230EST 0030EST			0	0	40K	Flash Flood

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Property	Crops	Character of Storm	
KENTUCKY, Eastern									
Heavy rains caused flash flooding on Cane Creek. The Curt community was the hardest hit with several mobile homes damaged or destroyed. A bridge was also washed away. Part of Curt Road which had been resurfaced with blacktop only months earlier was totally washed out during the flash flood.									
Pulaski County									
Nancy	14	1320EST			0	0	0	Hail (0.88)	
Harlan County									
2 NE Black Bottom	14	1745EST 1900EST			0	0	0	Flash Flood	
Heavy rains caused 4 inches of water and debris to flow over Kentucky Route 179.									
Letcher County									
Whitesburg	14	1807EST			0	0	0	Hail (0.75)	
Laurel County									
2 N London	15	1740EST			0	0	2K	Thunderstorm Wind	
Strong thunderstorm winds blew a business sign onto two parked cars.									
Laurel County									
5 W Corbin London A	15	1812EST			0	0	0	Hail (0.75)	
Wolfe County									
3 E Campton	15	1918EST			0	0	2K	Thunderstorm Wind	
Thunderstorm winds blew large branches down, knocking power lines down.									
Rowan County									
Morehead	15	1920EST			0	0	2K	Thunderstorm Wind	
Strong thunderstorm winds blew power lines down.									
Morgan County									
2 SE Mize	15	1935EST			0	0	1K	Thunderstorm Wind	
Winds caused a tree to blow down on telephone lines.									
Magoffin County									
3 E Salyersville	21	1705EST			0	0	2K	Thunderstorm Wind	
Power lines were down on Kentucky Highway 40 near U.S. Highway 460 East.									
Laurel County									
London	21	1745EST			0	0	8K	Thunderstorm Wind	
Thunderstorm winds blew windows out of a Days Inn Motel. A barn was blown down on Kentucky Highway 192 West along with several trees being uprooted.									
Mccreary County									
Whitley City	21	1800EST			0	0	0	Hail (0.75)	
Laurel County									
3 SW London	21	1815EST			0	0	0	Thunderstorm Wind	
Trees were blown down.									
Mccreary County									
Stearns	21	1832EST 1930EST			0	0	0	Flash Flood	
Heavy rains caused water to flow over several roads in the area.									
Breathitt County									
10 SW Jackson	21	1900EST			0	0	0	Thunderstorm Wind	
Winds blew down several trees over Belcher Fork Road.									
Whitley County									
3 SW Williamsburg	25	1238EST			0	0	2K	Thunderstorm Wind	
Strong thunderstorm winds brought trees and power lines down. One tree landed on a home on Kentucky Highway 92 West at Brier Creek.									
Letcher County									
5 NW Fleming	25	1605EST			0	0	0	Hail (0.75)	
Letcher County									
Partridge	25	1608EST			0	0	0	Hail (0.88)	
Clay County									
Oneida	25	1730EST			0	0	0	Thunderstorm Wind	
Trees were blown down along Kentucky Highway 11.									
Knox County									
Heidrick	25	1745EST			0	0	0	Thunderstorm Wind	
Thunderstorm winds blew several trees down in the area.									

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>KENTUCKY, Eastern</u>									
Wayne County									
2 E Wait	26	1455EST			0	0	0	Hail (0.75)	
Wayne County									
Monticello	26	1750EST			0	0	0	Hail (0.75)	
Wayne County									
1 S Monticello	26	1800EST 2000EST			0	0	0	Flash Flood	
Runoff from several rounds of thunderstorms caused creeks and streams to top their banks. 6 to 7 inches of water were flowing over Highway 90 South. Water was also reported over Main Street in the city of Monticello.									
Pulaski County									
Cedar Grove	29	1458EST			0	0	0	Thunderstorm Wind	
Trees were blown down.									
Pulaski County									
Bronston	29	1501EST			0	0	0	Thunderstorm Wind	
Severe thunderstorm winds brought trees down blocking a road.									
Leslie County									
2 SW Hoskinston	29	1610EST			0	0	0	Hail (0.75)	
Clay County									
3 SW Big Creek	29	1615EST			0	0	0	Thunderstorm Wind	
Trees were blown down blocking several roads.									
Leslie County									
Hoskinston	29	1623EST			0	0	0	Thunderstorm Wind	
Thunderstorm winds brought trees down on Kentucky Highway 421. Two vehicles were damaged as they collided with the trees on the road.									
Knott County									
1 S Kite	29	1720EST			0	0	0	Thunderstorm Wind	
Thunderstorm winds brought trees down and blocked Kentucky Route 582.									
Pike County									
Fedscreek	29	1838EST			0	0	0	Thunderstorm Wind	
Trees were blown down, blocking U.S. Route 460.									
<u>KENTUCKY, Northeast</u>									
Lawrence County									
Yatesville to Louisa	05	1530EST 1630EST			0	0	3K	Flash Flood	
County officials reported 1 foot of water in one house, north of Louisa. Otherwise, streams flowed across roads, causing little damage.									
Boyd County									
Garner to Coalton	05	1700EST 1930EST			0	0	25K	Flash Flood	
The flash flooding in eastern Carter County also affected extreme western portions of Boyd County. Route 854 was flooded. A few private bridges were damaged.									
Carter County									
3 NE Grayson to .5 E Norton Branch	05	1700EST 1930EST			0	1	250K	Flash Flood	
Streams, such as Star Creek, Norton Branch, Williams Creek, and Wilson Creek flooded. Twelve people were evacuated. About 40 to 50 homes and mobile homes were affected, some with just basement flooding. A barn was destroyed. A parked car was swept away near the junction of Route 60 and 207. A Rush resident said, "I've lived here 41 years and I've never seen it this bad." Water got into the Star Elementary School, causing damage to the teacher lounge and kitchen. An unconfirmed report of 6.5 inches of rain was received from a fireman on Wilson Creek. One woman received a broken leg.									
Greenup County									
South Shore	06	1845EST			0	0	2K	Thunderstorm Wind	
Large branches and a few large trees were blown down.									
Boyd County									
1 W Ironville	06	1914EST			0	0	3K	Thunderstorm Wind	
Large trees were blown down along Daniels Fork Road.									

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>KENTUCKY, Northern</u>									
Pendleton County									
5 S Falmouth	05	1847EST 1945EST			0	0	25K	Flash Flood	
Heavy rainfall caused a creek to rise over the bridge on Liberty road.									
Grant County									
5 NW Corinth	05 06	1936EST 0000EST			0	0	50K	Flash Flood	
Several hours of heavy rainfall caused a stream to overflow its banks. The high water damaged a bridge and forced the evacuation of several residents.									
Owen County									
New Columbus	05	2014EST 2015EST			0	0		Hail (0.75)	
Owen County									
South Portion	05 06	2045EST 0000EST			0	0	5K	Flood	
Heavy rainfall forced the closing of roads in the southern part of the county.									
Grant County									
Southwest Portion	06	1825EST 2000EST			0	0	3K	Flood	
Several roads flooded near Monterey. Six inches of water over the Stevens Creek bridge									
Owen County									
New Columbus	06	1825EST 2000EST			0	0	3K	Flood	
Several roads flooded									
Owen County									
5 NW Owenton	20	0830EST 0945EST			0	0	5K	Flood	
Thunderstorms produced heavy rain which caused high water on roads as well as a couple of culverts washed out along Twin Creek.									
Boone County									
Florence	21	1530EST 1534EST			0	0	3K	Thunderstorm Wind (G50)	
Thunderstorms produced strong winds which knocked down trees.									
<u>KENTUCKY, Southwest</u>									
Mclean County									
Sacramento	04	0345CST			0	0		Hail (1.00)	
Quarter size hail was reported at a gas station/convenience store.									
Muhlenberg County									
Belton to Beechmont	04	1240CST			0	0		Thunderstorm Wind (G52)	
Numerous trees were blown down. One large tree blocked U.S. Highway 431.									
Daviess County									
Owensboro	07	1335CST 1440CST			0	0		Urban/Sml Stream Fld	
Runoff from heavy rainfall covered several roadways in Owensboro, causing traffic problems, in addition to stranding a few cars.									
Livingston County									
Salem	19	1500CST			0	0		Hail (0.75)	
Mccracken County									
Paducah	21	1015CST			0	0	10K	Tstm Wind/Hail	
Thunderstorm wind gusts blew off part of the roof of a furniture store. There was no other damage in the area, and wind speed estimates from spotters were around 50 MPH.									
Carlisle County									
Arlington	21	1040CST			0	0		Hail (0.75)	
Hickman County									
5 W Clinton	21	1040CST			0	0		Thunderstorm Wind (G52)	
Numerous trees were blown down along Highway 58.									
Carlisle County									
2 E Arlington	21	1101CST			0	0	2K	Thunderstorm Wind (G50)	
Power lines were blown down on Highway 80.									
Crittenden County									
Irma	21	1110CST			0	0		Thunderstorm Wind (G52)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>KENTUCKY, Southwest</u>								
Graves County								Gusts were estimated between 55 and 60 MPH.
7 S Mayfield	21	1115CST			0	0		Thunderstorm Wind (G50)
								Six large trees were blown down at the intersection of Highways 303 and 339.
Marshall County								
Gilbertsville to 3 S Benton	21	1200CST 1205CST			0	0	4K	Thunderstorm Wind (G52)
								Trees were down on old Highway 641 south of Benton. Trees were also down near Gilbertsville on Ridge Road and at Rocky Point.
Calloway County								
Midway	21	1210CST			0	0	3K	Thunderstorm Wind (G50)
								A utility company reported trees down on Highway 641.
Christian County								
3 W Hopkinsville to Hopkinsville	21	1255CST			0	0	3K	Thunderstorm Wind (G50)
								Trees were down on Nelson Drive in Hopkinsville. Wires were blown down west of town.
Todd County								
4 E Britmart	21	1309CST			0	0	4K	Thunderstorm Wind (G50)
								Power lines, tree limbs, and a large tree were blown down at the junction of Highways 181 and 171. Gusts were estimated between 55 and 60 MPH.
Todd County								
Guthrie	21	1339CST			0	0		Thunderstorm Wind (G50)
								Trees were down on Highway 346.
Christian County								
3 SE Herndon	26	1804CST			0	0		Hail (0.75)
								The fire department reported dime size hail near the intersection of Highways 117 and 345.
Marshall County								
Fairdeal	27	1216CST			0	0		Hail (0.88)
								Nickel size hail was reported in Fairdealing.
Marshall County								
2 E Briensburg	27	1244CST			0	0		Hail (0.88)
								Lots of nickel and dime size hail was reported.
Livingston County								
Smithland	27	1330CST			0	0		Hail (0.75)
Livingston County								
6 S Smithland	27	1333CST			0	0		Thunderstorm Wind (G50)
								Gusts were estimated between 55 and 60 MPH.
Graves County								
Boaz to Kaler	27	1340CST			0	0		Thunderstorm Wind (G50)
								A few trees were down along Highway 131 near Boaz and Kaler.
Christian County								
Hopkinsville	27	1510CST			0	0		Thunderstorm Wind (G50)
								Trees were blown down across Highway 272. Power outages were reported on the west side of Hopkinsville.
<u>LOUISIANA, Northeast</u>								
Morehouse Parish								
1 SW Windsor	04	1250CST			0	0	1K	Thunderstorm Wind
								Several trees were blown down in a rural area near the Ouachita parish line.
East Carroll Parish								
Lake Providence	04	1330CST			0	0	5K	Thunderstorm Wind
								A number of trees and power lines were blown down in and around the town of Lake Providence.
Concordia Parish								
5 W Ferriday	04	1550CST			0	0	1K	Thunderstorm Wind
								A few trees were blown down along Highways 565 and 84.
Morehouse Parish								
Countywide	21	1430CST			0	0	5K	Thunderstorm Wind
								Numerous trees and several power lines were blown down across the parish.
East Carroll Parish								
Lake Providence	21	1655CST 1730CST			0	0	15K	Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>LOUISIANA, Northeast</u>									
Numerous trees, large limbs, and power lines were blown down in and around the town of Lake Providence.									
West Carroll Parish									
Epps	21	1812CST			0	0		Hail (0.75)	
West Carroll Parish									
Epps	21	1812CST			0	0		Thunderstorm Wind (G60)	M
The pilot of a crop duster airplane on the ground near Epps recorded wind speeds of up to 70 mph.									
East Carroll Parish									
15 SW Lake Providence	21	1815CST			0	0	1K	Thunderstorm Wind	
A few trees were blown down near the community of Monticello.									
Morehouse Parish									
Bastrop	21	1910CST			0	0		Hail (0.75)	
Morehouse Parish									
Countywide	21	1930CST 1945CST			0	0	2K	Thunderstorm Wind	
Large tree limbs were blown down in various parts of the parish.									
<u>LOUISIANA, Northwest</u>									
Ouachita Parish									
West Monroe	04	1220CST			0	0		Thunderstorm Wind (G58)	M
Downed trees and tree limbs and fallen traffic lights tethered to high wires.									
Union Parish									
5 S Marion	04	1300CST			0	0		Thunderstorm Wind (G52)	
Several large trees toppled.									
Webster Parish									
Minden	04	1530CST			0	0	6K	Lightning	
The Louisiana Hazmat team extinguished a fire started by a lightning strike, atop a tank containing raw liquid, that gas and diesel fuel are made from.									
Red River Parish									
Coushatta	06 07	2135CST 0030CST			0	0		Flash Flood	
Two feet of water covering Hwy 71 downtown from Tropical Storm Allison.									
Natchitoches Parish									
Hagewood	07	0300CST 0700CST			0	0		Flash Flood	
Flooding across Hwy 6 resulting from Tropical Storm Allison.									
Natchitoches Parish									
Marthaville	07	0300CST 0700CST			0	0		Flash Flood	
Flooding across Hwy 120 resulting from Tropical Storm Allison.									
Caddo Parish									
Blanchard	14	2215CST			0	0		Thunderstorm Wind (G54)	
Trees down along Blanchard-Latex Rd.									
De Soto Parish									
Gloster	14	2315CST			0	0		Thunderstorm Wind (G54)	
Numerous trees down.									
De Soto Parish									
Keatchie	14	2315CST			0	0		Thunderstorm Wind (G54)	
Several large trees down.									
Sabine Parish									
Pleasant Hill	15	0020CST			0	0		Thunderstorm Wind (G58)	
Large trees down along Hwy 175.									
Red River Parish									
Martin	15	0025CST			0	0		Hail (0.75)	
Natchitoches Parish									
2 N Marthaville	15	0025CST			0	0		Thunderstorm Wind (G58)	M
Trees down along Hwy 487.									
Natchitoches Parish									
1 W Natchitoches	15	0040CST			0	0		Thunderstorm Wind (G58)	
Several large trees toppled near Hwy 3191.									

Storm Data and Unusual Weather Phenomena

June 2001

		Time	Path	Path	Number of	Estimated	June 2001	
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property Crops	Character of Storm	
<u>LOUISIANA, Northwest</u>								
Winn Parish								
8 W Winnfield	15	0110CST			0	0		Thunderstorm Wind (G54)
Trees and power lines toppled.								
Grant Parish								
2 SE Colfax	15	0145CST			0	0	45K	Thunderstorm Wind (G54)
Trees toppled across Hwy 492. One tree crushed a new 6 wheel diesel pickup truck.								
Grant Parish								
Pollock	15	0212CST			0	0		Thunderstorm Wind (G61)
La Salle Parish								
Jena	15	0240CST			0	0		Thunderstorm Wind (G54)
Severa large trees blown over.								
Red River Parish								
1 S Coushatta	20	1615CST			0	0		Thunderstorm Wind (G52)
Power lines toppled along Hwy 71.								
Union Parish								
Farmerville	21	1830CST			0	0		Thunderstorm Wind (G54)
Trees reported down in several locations in town. Wind blew gravel off the ground in a parking lot and peppered cars.								
Ouachita Parish								
Calhoun	21	1940CST			0	0		Thunderstorm Wind (G70) M
Trees and power lines toppled.								
<u>LOUISIANA, Southeast</u>								
Livingston Parish								
Holden	04	1535CST			0	0	20K	Thunderstorm Wind
A roof was blown off of a house and trees were blown down on a camping trailer.								
Tangipahoa Parish								
Countywide	04	1700CST			0	0	10K	Thunderstorm Wind
Thunderstorm wind gusts blew down trees at several locations across the parish.								
Orleans Parish								
New Orleans	05	1300CST 1800CST			0	0		Urban/Sml Stream Fld
Widespread street flooding occurred.								
Terrebonne Parish								
Gibson	06	1115CST 1515CST			0	0	75K	Flood
A few homes were flooded.								
Tangipahoa Parish								
Countywide	06	1155CST 1600CST			0	0	100K	Flash Flood
Approximately 30 roadways were flooded along with several houses.								
East Baton Rouge Parish								
Countywide	06	1300CST 1700CST			0	0	100K	Flash Flood
Heavy rain caused flash flooding on numerous streams, bayous, and low lying area. Numerous roadways were severely flooded and closed.								
East Feliciana Parish								
Clinton	06	1300CST 1900CST			0	0	30K	Flash Flood
Heavy rainfall resulted in flooding of 5 to 10 houses in Clinton.								
Livingston Parish								
Countywide	06	1320CST 1700CST			0	0	250K	Flash Flood
Numerous roadways and some houses were flooded due to torrential rainfall.								
Ascension Parish								
Countywide	06	1400CST 1800CST			0	0	250K	Flash Flood
Numerous roadways were flooded and more than a dozen houses.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
LOUISIANA, Southeast								
St. Charles Parish								
Countywide	06	1400CST 1900CST			0	0	50K	Flash Flood
Nine streets were flooded and impassable and around a dozen houses had minor flooding.								
Iberville Parish								
Countywide	06	1430CST 1800CST			0	0	150K	Flash Flood
Flooding of highways and some buildings occurred in the White Castle and Plaquemine areas.								
Lafourche Parish								
North Portion	06 08	1500CST 1500CST			0	0	1.5M	Flood
Heavy rain overwhelmed local drainage and resulted in flooding of several hundred homes. In addition buildings on Nicholls State University were also flooded.								
Jefferson Parish								
East Bank	06	1535CST 1900CST			0	0	25K	Flash Flood
Severe street and roadway flooding developed and some houses were also flooded.								
St. Tammany Parish								
South Portion	06	1705CST 2100CST			0	0	50K	Flash Flood
A few homes and businesses were flooded.								
Terrebonne Parish								
North Portion	06 07	2100CST 2100CST			0	0	500K	Flood
Heavy rainfall overwhelmed local drainage and flooded numerous homes. The area around Schriever was heavily impacted by flood waters.								
St. James Parish								
West Portion	07	0030CST 1000CST			0	0	50K	Flash Flood
Flooding of streets and some homes occurred in communities located in the west bank area of the parishes.								
West Baton Rouge Parish								
Countywide	07	0300CST 0800CST			0	0	25K	Flash Flood
Three homes and several buildings were flooded.								
LAZ046-048>050								
Iberville - East Baton Rouge - Ascension - Livingston	07 14	0600CST 1400CST			0	0	8.4M	Flood
East Baton Rouge Parish								
Baton Rouge	07	0945CST 1800CST			0	0	150K	Flash Flood
Heavy rain caused major flooding of roadways including Interstate Highway 10.								
Livingston Parish								
Countywide	07	1000CST 1600CST			0	0	250K	Flash Flood
Heavy rainfall caused flooding of roadway and some houses.								
St. Tammany Parish								
South Portion	07	1230CST 1730CST			0	0	75K	Flash Flood
A few homes and businesses were flooded along US Highway 190.								
Ascension Parish								
Countywide	07	1300CST 2000CST			0	0	250K	Flash Flood
Numerous roadways were flooded along with several houses.								
Assumption Parish								
Countywide	07	1300CST			0	0	250K	Flood
Flash flooding and flooding of low lying areas including homes was reported.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
LOUISIANA, Southeast							
Iberville Parish							
Countywide	07	1300CST 2200CST			0 0	150K	Flood
Heavy rain caused flash flooding and flooding in several areas of the parish including along Bayou Sorrell.							
Orleans Parish							
Algiers	07	1400CST 2000CST			0 0	25K	Flash Flood
Severe street flooding occurred and several houses were flooded.							
Jefferson Parish							
Gretna to Marrero	07	1500CST 1900CST			0 0	50K	Flash Flood
Severe street and roadway flooding occurred in the west bank areas. Some houses were also flooded.							
Jefferson Parish							
North Portion	08	1500CST 1900CST			0 0	25K	Flash Flood
Severe street and roadway flooding occurred in both east and west bank areas. Some houses were flooded.							
St. John The Baptist Parish							
Countywide	08	1500CST 2000CST			0 0	125K	Flash Flood
<p>Numerous streets had severe flooding and some houses were flooded.</p> <p>Outer rainbands on the eastern periphery of the circulation of Tropical Storm Allison which moved slowly across southeast Texas affected southeast Louisiana beginning late on June 5th, producing heavy rainfall over much of southeast Louisiana. The areas from Baton Rouge extending south to Thibodaux were particularly hard hit on June 6th and June 7th. By early June 8th, many location had received 10 to 18 inches of rain. Periods of torrential rain overwhelmed local drainage and created severe ponding of water which flooded numerous roadways and low lying areas, with many houses and some businesses flooded. Northern Lafourche Parish was particularly hard hit by flash flooding and severe ponding of water, with hundreds of houses flooded. Another round of heavy rainfall developed on June 10 and June 11 as the remnant circulation of Tropical Storm Allison moved over southeast Louisiana and intensified. The flash flooding on those dates is described in separate episode listed below. Wind and tornado damage caused by Tropical Storm Allison is also included in a separate episode below.</p> <p>By the end of the event on June 11th, storm total rainfall of 15 to 25 inches was common with some location reporting up nearly 30 inches near Thibodaux. Moderate to major river flooding occurred on the lower portions of the Amite and Comite Rivers with the highest waters levels observed since 1983. Approximately 1800 people were reported to have left their homes in East Baton Rouge Parish due to flooding or the threat of flooding. Hundreds of homes were flooded in East Baton Rouge, Livingston, and Ascension Parishes. Significant flooding also occurred along Bayou Manchac affecting Ascension and Iberville Parishes. A levee broke along Bayou Manchac early on June 11th, flooding considerable low land acreage and roadways cutting off access to many houses.</p>							
Orleans Parish							
New Orleans	05	1445CST			0 0	15K	Thunderstorm Wind
Several trees were blown down in the Uptown area of New Orleans.							
Terrebonne Parish							
Dulac	05	1613CST			0 0		Funnel Cloud
St. Charles Parish							
Countywide	06	1020CST			0 0	20K	Thunderstorm Wind
Several trees were blown down across the parish. One tree fell on a house in Luling causing minor damage							
Jefferson Parish							
Metairie	06	1030CST			0 0	15K	Thunderstorm Wind
A large tree was blown down onto a car.							
Tangipahoa Parish							
Ponchatoula	06	1045CST			0 0	20K	Thunderstorm Wind
Several trees, power poles and power lines were blown down.							
Lafourche Parish							
Raceland	06	1135CST			0 0	50K	Thunderstorm Wind
Thunderstorm winds damaged the roofs of several houses, blew the windows out of a school, knocked down several power lines.							
East Baton Rouge Parish							
5 E Baton Rouge	06	1230CST			0 0		Funnel Cloud
A storm spotter sighted a funnel cloud east of Baton Rouge.							
Terrebonne Parish							
Houma	06	1400CST			0 0	10K	Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
LOUISIANA, Southeast							
A few trees were blown down.							
East Baton Rouge Parish							
3 N Zachary	07	0524CST			1 0	50K	Tornado (F1)
A weak tornado touched down briefly downing several trees and power line. A man was killed when a tree fell on the pick-up truck he was driving. M70VE							
Livingston Parish							
Springfield	07	1030CST			0 0	25K	Lightning
Lightning struck a house and ignited a fire which did considerable damage to the roof.							
St. Tammany Parish							
Folsom	07	1115CST 1130CST			0 0	5K	Thunderstorm Wind
Several trees were blown down around Folsom.							
St. Tammany Parish							
Madisonville	07	1115CST 1130CST			0 0	15K	Thunderstorm Wind
Several trees were blown down around Madisonville.							
St. Charles Parish							
Norco	07	1130CST			0 0	500K	Lightning
Lightning struck a gasoline storage tank at a refinery and started a large fire.							
St. Tammany Parish							
Mandeville	07	1205CST			0 0	10K	Lightning
Lightning strike started a fire in the attic of a house.							
Tropical Storm Allison moved into southeast Texas late of June 5, 2001 and eventually weakened, but remained over southeast Texas through June 9, 2001. Rainbands associated with the eastern periphery circulation of Tropical Storm Allison produced wind damage in widely scattered locations of southeast Louisiana as well as an isolated weak tornado.							
LAZ040							
St. Tammany							
	08	0600CST			0 0	150K	Flood
	13	2200CST					
Heavy rainfall resulted in major flooding along the Bogue Falaya River in St. Tammany Parish.							
St. John The Baptist Parish							
Countywide	10	1800CST 2300CST			0 0	125K	Flash Flood
Flash flooding of streets and houses occurred.							
Lafourche Parish							
North Portion	10	2000CST			0 0	1M	Flood
	11	0100CST					
Heavy rainfall aggravated ongoing flooding in the north portion of the parish.							
Terrebonne Parish							
North Portion	10	2000CST			0 0	250K	Flood
	11	2000CST					
Heavy rainfall aggravated already flooded area resulting in more flooding of property.							
Jefferson Parish							
Countywide	11	0000CST 0700CST			0 0		Urban/Sml Stream Fld
Washington Parish							
Countywide	11	0000CST 0600CST			0 0	125K	Flash Flood
Heavy rainfall caused small streams and bayous to overflow and dozens of homes were flooded in areas of poor drainage.							
Orleans Parish							
New Orleans	11	0100CST 0800CST			0 0	50K	Flash Flood
Flooding of streets and some houses were reported in primarily in Algiers area and eastern sections.							
St. Tammany Parish							
Countywide	11	0110CST 0800CST			0 0	2M	Flash Flood
Severe flooding developing primarily in the southeast portion of St. Tammany Parish. Numerous streets were impassable. Parish officials estimate that over 1000 houses were flooded, primarily in the Slidell area.							

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
LOUISIANA, Southeast									
St. Bernard Parish									
Arabi	11	0200CST 0800CST			0	0	200K	Flash Flood	
Heavy rainfall overwhelmed local drainage and numerous streets were flooded. Approximately 80 homes and businesses were reported flooded.									
Remnants of Tropical Storm Allison moved across southeast Louisiana during the night of June 10/11th. The circulation system strengthened and produced torrential rainfall in many locations of extreme southeast Louisiana. Rainfall of 5 to 10 inches fell overnight from Lafourche and Terrebonne Parishes northeastward across the New Orleans area and into St. Tammany and Washington Parishes. Runoff from the heavy rainfall produced flash flooding in many areas, with eastern St. Tammany Parish particularly hard hit.									
Heavy rainfall caused the Bogue Falaya River at Covington, St. Tammany Parish, to exceed flood stage from June 8th through June 13th. The river actually crested twice, once on June 8th and again on June 11th, approaching near record levees and producing major flooding.									
Lafourche Parish									
Larose	10	2100CST			0	0	25K	Thunderstorm Wind	
Thunderstorm wind gusts damaged two construction towers, an out building, and several automobiles.									
Washington Parish									
Bogalusa	11	0355CST 0410CST			0	0	5K	Thunderstorm Wind	
St. Tammany Parish									
Pearl River	11	0415CST			0	0	5K	Thunderstorm Wind	
Remnants of Tropical Storm Allison moved across southeast Louisiana during the evening hours of June 10 and intensified. A few thunderstorms reached severe levels. Wind damage was reported near Larose, and trees were blown down in the communities of Bogalusa, and across northern St. Tammany Parish, including Pearl River.									
Jefferson Parish									
Kenner	13	0807CST			0	0	5K	Tornado (F0)	
A weak tornado touched down momentarily blowing down a fence and stripping sheet metal off a roof.									
Orleans Parish									
(New)Lkfrnt Arpt New	19	1028CST			0	0		Thunderstorm Wind (G51)	M
St. Charles Parish									
Killona	21	1333CST			0	0		Hail (0.75)	
Jefferson Parish									
Metairie	21	1403CST			0	0	0.50K	Thunderstorm Wind	
Large tree branches were blown down.									
Orleans Parish									
New Orleans	21	1423CST			0	0		Hail (0.88)	
Orleans Parish									
New Orleans	21	1430CST 1700CST			0	0		Urban/Sml Stream Fld	
Jefferson Parish									
Avondale	21	1450CST			0	0	1K	Thunderstorm Wind	
Several trees were blown down.									
Strong to severe thunderstorms rapidly developed along the south shore of Lake Pontchartrain from St Charles Parish eastward through New Orleans. Dime to nickel size hail was reported and isolated reports of wind damage. Significant street flooding also occurred due to the torrential rainfall.									
Ascension Parish									
Donaldsonville	26	1345CST			0	0	25K	Thunderstorm Wind	
Thunderstorm wind gusts blew down several trees and caused roof damage to a building.									
Pointe Coupee Parish									
Batchelor	27	1415CST			0	0	2K	Thunderstorm Wind	
Several trees were blown down.									
LOUISIANA, Southwest									
LAZ051>052									
Cameron - Vermilion									
	05	1600CST			0	0		Tropical Storm	
	06	0000CST							
St. Mary Parish									
Franklin	06	0830CST 1300CST			0	0	100K	Flood	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
LOUISIANA, Southwest								
Nearly five inches of rain fell in less than three hours, resulting in significant street flooding of the Franklin area. Several homes and many businesses had water enter them.								
Vermilion Parish								
Erath	06 07	1430CST 0700CST			0	0	3M	Flood
Up to ten inches of rain fell in less than three hours, resulting in major flooding the the Erath area. Over 500 homes were reported flooded, and many roads remained under water for over 16 hours.								
Lafayette Parish								
Youngsville	06 07	1535CST 0700CST			0	0	5M	Flood
Over ten inches of rain fell in the Youngsville area, resulting in nearly 400 homes and businesses with flood water damages. With US 90 closed between Lafayette and New Iberia, many people risked their life by driving around road barricades into deep, moning water. Fire and police rescue personel used water ski-doo's to retrieve dozens of people from roofs of vehicles, and even trees.								
Iberia Parish								
Jefferson Is	06 07	1600CST 0700CST			0	0	1.5M	Flood
Between five and ten inches of rain fell in less than three hours, resulting in significant flooding in rural sections of western Iberia Parish. More importantly, sections of US 90 were closed between Lafayette and New Iberia for over 12 hours as a result of the large amount of rain in such a short time span. Hundreds of motorists were stranded for hours waiting for flooded roadways to open up.								
St. Martin Parish								
St Martinville	06 07	1600CST 0700CST			0	0	1M	Flood
The roads in St. Martin Parish were mostly open during this flood, but still up to a hundred homes had water enter then in rural sections of the parish, mainly from St. Martinville westward. Up to five inches of rain in less than three hours accounted for the problem.								
Beauregard Parish								
Merryville	07	0400CST 0600CST			0	0	100K	Flood
The heavy rain that hit southeastern Texas extended into Beauregard Parish, resulting in widespread street flooding around Merryville. Most of the damage at this time was a result of street and bridge damage. A more significant flood occurs the next day (June 8th).								
Beauregard Parish								
Merryville	08	0500CST 0900CST			0	0	1.5M	Flood
With already saturated grounds, an additional five to ten inches of rain resulted in widespread flooding of the Merryville area, flooding nearly every home and business in the downtown area.								
Tropical Storm Allison caused minor problems along coastal sections of southwest Louisiana, but eventually resulted in catstrophic flood losses further inland. Wind gusts of 30 to 40 mph resulted in minor roof damage to less than ten homes along the coast in Cameron Parish between the evening of June 5th and the early morning hours of June 6th. A two foot storm surge resulted in minor beach erosion and portions of Highway 82 between Johnson Bayou and Holly Beach to go under water during high tide during the nighttime high tide of June 5th to 6th. The specific flood events that occurred between June 6th and 10th were a result of the remnants of Tropical Storm Allison, as it meandered across southeast and east Texas.								
St. Mary Parish								
Verdunville	10	1617CST 1700CST			0	0	50K	Flood
With grounds already saturated, an additional three inches of rain in less than three hours resulted in water in homes along the bayou.								
Vernon Parish								
Anacoco	15	0130CST			0	0	5K	Thunderstorm Wind
Trees were blown down in Anacoco and Slagle after a severe thunderstorm.								
St. Landry Parish								
Opelousas	15	0210CST			0	0	10K	Thunderstorm Wind
Trees were blown down in Opelousas during a severe thunderstorm. One landed on an unoccupied parked car.								
Rapides Parish								
Alexandria	15	0215CST			0	0	15K	Thunderstorm Wind
Trees were blown down in Alexandria and a roof was blown off a church in McNary.								
Beauregard Parish								
De Ridder	15	0225CST			0	0	5K	Thunderstorm Wind
Trees were blown down in DeRidder and Ragley during severe thunderstorms.								
Allen Parish								
Elizabeth	15	0300CST			0	0	5K	Thunderstorm Wind
Trees were blown down in Elizabeth and Oakdale during severe thunderstorms.								

Storm Data and Unusual Weather Phenomena

June 2001

		Time	Path	Path	Number of	Estimated		
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property Crops	Character of Storm	June 2001
<u>LOUISIANA, Southwest</u>								
Calcasieu Parish								
Sulphur	15	0345CST			0	0	5K	Thunderstorm Wind
Trees were blown down along Highway 27 in Sulphur.								
Calcasieu Parish								
3 N Sulphur	27	1605CST			0	0		Hail (0.75)
Calcasieu Parish								
Sulphur	27	1643CST			0	0		Hail (0.75)
Vernon Parish								
Burr Ferry	27	1653CST			0	0		Hail (0.88)
Calcasieu Parish								
5 S Sulphur	27	1720CST			0	0		Hail (0.75)
Beauregard Parish								
Merryville	27	1810CST			0	0		Hail (0.88)
Beauregard Parish								
Dry Creek	28	1324CST			0	0	5K	Thunderstorm Wind
Trees were blown down during severe thunderstorms from Dry Creek to DeRidder.								
St. Landry Parish								
Port Barre	28	1430CST			0	0	10K	Thunderstorm Wind
During a severe thunderstorm, a tree fell on a home.								
Lafayette Parish								
Lafayette	28	1440CST			0	0	5K	Thunderstorm Wind (G50)
Winds of almost 60 mph caused trees to be blown down in Lafayette.								
Calcasieu Parish								
Westlake	28	1450CST			0	0		Hail (0.75)
Calcasieu Parish								
Lake Charles	28	1523CST			0	0	5K	Thunderstorm Wind
Trees fell down near Prien Lake Park during a severe thunderstorm.								
Rapides Parish								
Countywide	29	1410CST			0	0	10K	Thunderstorm Wind
Trees and power lines were blown across the parish.								
St. Landry Parish								
Leonville	29	1520CST			0	0	10K	Thunderstorm Wind
Trees were blown down and a trailer was blown off the road.								
St. Landry Parish								
Leonville	29	1520CST			0	0		Hail (0.75)
Lafayette Parish								
Duson	29	1530CST			0	0	10K	Thunderstorm Wind
Trees and four power poles were blown down on US 90.								
Vermilion Parish								
5 N Abbeville	29	1540CST			0	0	10K	Thunderstorm Wind
LA 82 was blocked by fallen oak trees that were snapped in half north of Abbeville.								
<u>MAINE, North</u>								
Piscataquis County								
50 NE Greenville	11	1415EST			0	0		Hail (0.88)
The hail accumulated to a depth of 12 inches at Chamberlain Lake.								
Aroostook County								
Caribou	11	1602EST			0	0		Hail (1.00)
The hail accumulated to a depth of 2 inches.								
Aroostook County								
Estcourt Station	16	2015EST			0	0		Thunderstorm Wind (G50)
Large branches were broken off several trees.								
Aroostook County								
St Francis	16	2100EST 2200EST			0	0		Flash Flood
Water overflowed onto roads from several ditches.								
<u>MAINE, South</u>								
Cumberland County								
Gorham	03	1800EST			0	0	30K	Lightning

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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MAINE, South

Kennebec County

Mt Vernon

Lightning caused an estimated \$30,000. in damage to a school in Gorham.

10 1343EST 0 0 Hail (0.75)

Thunderstorms moving across New Hampshire and Maine produced numerous reports of small hail across the state. In Mt. Vernon, penny-sized hail was reported.

Oxford County

Newry

17 0900EST 0 0 Tornado (F1)

A weak tornado touched down briefly in the town of Newry shortly after 10 am. Damage was confined to a wooded area where three sections of trees were blown down in a counter-clockwise, circular pattern. Each section was about a about a quarter to a half mile in length. An estimated 200 trees were downed by the tornado. Total width of the damage area was about 1500 ft. Maximum winds were estimated at 80 to 90 mph. Ironically, the tornado struck the same property that was struck by a tornado on July 18 of the previous year.

Sagadahoc County

Topsham

20 1405EST 0 0 Lightning

Lincoln County

Boothbay

20 1446EST 0 0 Thunderstorm Wind (G50)

Lincoln County

Bristol

20 1456EST 0 0 Hail (1.50)

Lincoln County

Bristol

20 1456EST 0 0 Thunderstorm Wind (G50)

Lincoln County

New Harbor

20 1501EST 0 0 Hail (1.25)

Lincoln County

New Harbor

20 1501EST 0 0 Thunderstorm Wind (G50)

York County

Eliot

20 1611EST 0 0 Thunderstorm Wind (G50)

York County

York Vlg

20 1621EST 0 0 Thunderstorm Wind (G50)

York County

Moody

20 1626EST 0 0 Hail (1.75)

Scattered severe thunderstorms across the southern portion of the state produced gusty, damaging winds and large hail. The winds downed trees onto power lines causing power outages in some areas. Trees also fell across roadways in the town of York . In Topsham, the municipal building was struck by lightning causing damage to computer equipment.

Franklin County

Chesterville to

New Sharon

24 2215EST 0 0 30K Flood
2359EST

Somerset County

Norridgewock

24 2230EST 0 0 Flood
25 0030EST

Heavy rain from a thunderstorm caused road washouts in Chesterville and New Sharon. Radar estimates in the area ranged from 3 to 4 inches. An observer in New Sharon reported 3.32 inches in just 2 hours. The side of a road was also reported to be washed out in the town of Norridgewock where an estimated 3 to 5 inches of rain fell.

Cumberland County

Portland

30 1600EST 0 1 Lightning

A baggage handler who was outside the terminal at the Portland International Jetport was injured when lightning struck somewhere near the building or taxi-way. After the strike, the man suffered from shortness of breath and tingling in his arms. He was taken to a nearby hospital where he was treated and released.

MARYLAND, Central

Montgomery County

Poolesville

02 1720EST 0 0 15K Thunderstorm Wind

Numerous trees were downed and a deck was damaged.

A thunderstorm produced a localized area of high winds over the Westmond and Seneca Chase Subdivisions between 6 and 7 PM EDT on the 2nd. Almost every home on Dowden Circle lost trees and shrubs. Many large trees were snapped or uprooted and one homeowner lost siding and a deck.

Washington County

Countywide

07 0030EST 0 0 Heavy Rain
0300EST

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated		
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm
MARYLAND, Central								
Allegany County								
West Portion	07	0215EST 0400EST			0	0	150K	Flash Flood
Several roads and creeks were flooded and some structures were damaged.								
Anne Arundel County								
North Portion	07	0230EST 0430EST			0	0		Heavy Rain
Howard County								
South Portion	07	0230EST 0430EST			0	0		Heavy Rain
Montgomery County								
Countywide	07	0230EST 0430EST			0	0		Heavy Rain
Prince George'S County								
North Portion	07	0230EST 0430EST			0	0		Heavy Rain
MDZ009								
Montgomery								
	07	0700EST 1900EST			0	0		Flood
The Seneca Creek at Dawsonville crested at 7.95 feet. Bankful level is 7.5 feet.								
An area of showers and thunderstorms with very heavy rainfall moved across western and central Maryland during the early morning hours of the 7th. The heaviest rain fell across western Allegany County where flash flooding was reported. The hardest hit area included Westernport, McCoole, Barton, and Rawlings. Streets and low lying areas became makeshift rivers as creeks overflowed their banks. Four homes received major damage and more than 40 basements were flooded. Flooded or damaged roads included Route 220 (McMullen Highway), Llewelyn Avenue, Tri-Towns Plaza Road, and George's Creek Road. A rock slide was reported on Route 135 in Westernport. The following streets in Westernport were damaged by flooding: Lincoln, Main, Central, McKinley, Wood, Poplar, Stoney Run, Potomac Hollow, Walnut, and Hickory. Several bridges leading to private property from McMullen Highway were washed out or damaged. Yard flooding, minor exterior damaged, or erosion was reported on properties along the following roads: Biddle Drive, McMullen Highway, Ketterman Lane, Abbey Lane, Red Rock Lane, McKinley Street, Gordon Street, Wood Street, Church Street, Greene Street, Creekside Drive, Mill Run Road, New George's Creek Road, Mt. Spring Road, and Donna Street. George's Creek near Westernport rose above the flood stage of 8.0 feet at 3:45 AM EDT, crested at 9.19 feet at 4:45 AM, and dropped below food stage by 600 AM. Rainfall totals included 4.9 inches at George's Creek near Westernport, 4.1 inches at McCoole Pumping Station, 3.2 inches at Biers Lane and Savage River Dam, 2.6 inches at the Oldtown Treatment Plant, 2.37 inches in Frostburg, and 2.3 inches at Wrights Crossing Pump Station.								
In Washington County, rainfall totals included 3.41 inches in Knoxville and 2.63 inches in Sharpsburg. In Montgomery County, rainfall totals included 2.64 inches in Olney, 2.56 inches in Washington Grove, 2.42 inches in Gaithersburg, 2.22 inches in Potomac, 2.15 inches in Rockville, and 2.12 inches in Damascus. A spotter in Chevy Chase recorded nearly one half inch of rain in 5 minutes. The deluge caused Seneca Creek at Dawsonville to overflow its banks between 715 AM and 700 PM EDT. Bankful stage is 7.5 feet and the river crested at 7.95 feet around 9 AM. In Howard County, 2.60 inches was reported in Laurel and 2.20 inches fell in Columbia. In Anne Arundel County, heavy rain flooded Brock Bridge Road near Laurel, Fontron Drive in Selby on the Bay, King George Street in Annapolis, and Defense Highway near Parole. Rainfall totals included 2.16 inches at Davidsonville, 2.10 inches in Annapolis, and 1.76 inches at Baltimore-Washington International Airport. In Prince George's County, minor flooding was reported in Seat Pleasant and on Martin Luther King Highway. Rainfall totals include 2.22 inches in South Bowie and 2.00 inches in Greenbelt.								
Allegany - Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel - Charles - St. Mary'S - Calvert								
	12	1200EST			0	0		Excessive Heat
	13	1800EST						
High pressure in combination with southerly winds brought hot, hazy, and humid conditions to the Mid Atlantic region between June 12th and 13th. High temperatures soared to around 90 degrees and heat indices reached near 100 degrees through the period.								
Carroll County								
Northeast Portion	12	1845EST			0	0	5K	Thunderstorm Wind
A microburst estimated between 60 and 70 MPH downed trees and power lines.								
Carroll County								
4 SE Manchester	12	1850EST			0	0		Hail (0.75)
Dime sized hail fell.								

Storm Data and Unusual Weather Phenomena

June 2001

								June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm	
MARYLAND, Central								
Baltimore County								
North Portion	12	1900EST 1930EST			00	2K	Thunderstorm Wind	
Trees were downed.								
Baltimore County								
Countywide	12	1915EST			00		Lightning	
Lightning took out a communications tower at Spook Hill.								
Thunderstorms with hail, gusty winds, and frequent lightning moved across north central Maryland during the early evening of the 12th. In Carroll County, a microburst estimated at 60 to 70 MPH downed trees and power lines in the Hampstead and Manchester areas. Some residents in this area were without power for two days. A spotter just southeast of Manchester reported marble to dime sized hail. In Baltimore County, high winds downed trees onto Route 30 near the Carroll County line. Trees and power lines were also downed near the Harford County and Pennsylvania borders. In addition, a lightning strike took out a communications tower at Spook Hill.								
Calvert County								
Countywide	15	1300EST 2100EST			00		Heavy Rain	
Charles County								
East Portion	15	1300EST 2100EST			00		Heavy Rain	
Prince George'S County								
Countywide	15	1300EST 2100EST			00		Heavy Rain	
St. Mary'S County								
Countywide	15	1300EST 2100EST			00		Heavy Rain	
The remnants of Tropical Storm Allison brought periods of heavy rainfall to south central Maryland between the afternoon of the 15th and the evening of the 16th. In Prince George's County, 3.05 inches of rain was reported near Brandywine and 2.27 inches fell at Jug Bay Wetlands. In Calvert County, between 1.5 and 3.5 inches of rain was measured. Across Eastern Charles County, 1.5 to 3.7 inches of rain fell. A spotter between Waldorf and Hughesville estimated an inch of rain fell in only 20 minutes during one downpour which flooded the Route 231 and 5 intersection. In St. Mary's County, rainfall totals included 3.72 inches in Ridge, 2.45 inches in Hollywood, and 2.33 inches at Tall Timbers. Several streams and creeks reached bankful across the country, including the St. Mary's River.								
Montgomery County								
Gaithersburg	20	1900EST			00	2M	Lightning	
Eighty people were displaced after a lightning fire severely damaged an apartment complex. The event time was estimated.								
Baltimore City (C)								
Baltimore	20	1930EST 1945EST			00	10K	Thunderstorm Wind	
Power lines and 100 trees were downed.								
Howard County								
Ellicott City	20	1930EST			00	2K	Thunderstorm Wind	
Trees and power lines were downed.								
Baltimore County								
Catonsville Manor	20	1940EST			00		Lightning	
The roof of a house caught fire after lightning struck the building.								
Prince George'S County								
Lanham	20	2100EST			00	0.50K	Thunderstorm Wind	
Two downed trees blocked Cipriano Road.								
Scattered thunderstorms that produced damaging winds, heavy rainfall, hail, and frequent lightning moved through the area between 8 and 11 PM EDT on the 20th. In Montgomery County, lightning struck an apartment complex in Gaithersburg and started a fire that displaced 80 people. The complex sustained 2 million dollars in damage. Pea sized hail was reported in Rockville. In Howard County, trees and power lines were downed in Ellicott City. In Baltimore County, high winds downed power lines and 100 trees across the city of Baltimore. Over 15,000 city customers lost power during the storm. In Cantonsville, lightning struck a home and started the roof on fire. In Prince George's County, two trees were downed across Cipriano Road. Marble sized hail was reported in Lanham.								
Frederick County								
Frederick	21	1515EST			00	2K	Thunderstorm Wind	
Many trees were downed onto roads and wires.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
MARYLAND, Central								
Frederick County								
Frederick	21	1529EST			0	0		Lightning
								A house was damaged by a lightning strike.
Prince George's County								
Countywide	21	1630EST 1800EST			0	0		Heavy Rain
								Indian Creek was swollen by heavy rains.
Frederick County								
New Market	21	1700EST			0	0		Lightning
								Three homes and a garage were damaged by lightning in the New Market and Green Valley areas.
Frederick County								
New Market	21	1700EST			0	0	2K	Thunderstorm Wind
								Many trees were downed onto roads and wires.
Prince George's County								
Laurel	21	1710EST			0	0	0.50K	Thunderstorm Wind
								A downed power pole blocked a road.
Prince George's County								
Laurel	21	1717EST			0	0		Hail (1.00)
								Nickel to quarter sized hail fell.
								Thunderstorms that produced damaging winds, frequent lightning, large hail, and heavy downpours moved across central Maryland between 400 PM and 830 PM EDT on the 21st. In Frederick County, homes were damaged by lightning in Frederick, Green Valley, and New Market. High winds downed trees onto wires and roadways in the Frederick, Ballenger Creek, New Market, and Green Valley areas. In Howard County, trees were downed in West Friendship. In Prince George's County, nickel to quarter sized hail was reported in Laurel. A power pole was downed across the intersection of Cherry Lane and Van Dusen Road just north of Laurel Lake. Heavy rainfall caused Indian Creek to overflow its banks. Route 1 at Indian Creek was flooded. A culvert leading to Laurel Lake was also overwhelmed with runoff and overflowed.
Washington County								
Countywide	22	1500EST 1700EST			0	0		Heavy Rain
Frederick County								
Countywide	22	1515EST 1715EST			0	0		Heavy Rain
Frederick County								
5 NW Frederick	22	1515EST			0	0	0.50K	Thunderstorm Wind
								Trees were downed in the Putman Road area.
Frederick County								
Frederick	22	1525EST			0	0		Hail (0.88)
								Nickel sized hail fell.
Allegany County								
Southwest Portion	22	1630EST 1830EST			0	0		Flash Flood
								Flooding was reported in Rawlings and on Route 220.
Frederick County								
Kemptown	22	1715EST			0	0	20K	Lightning
								A piano shop was damaged by a lightning fire.
Montgomery County								
Countywide	22	1800EST 2359EST			0	0		Flash Flood
								Numerous roads were flooded and impassable and 3 swift water rescues were reported.
Montgomery County								
Poolesville	22	1800EST			0	0	120K	Lightning
								A lightning fire damaged a home and one person was injured while trying to extinguish the flames.
Carroll County								
Mt Airy	22	1900EST			0	0		Lightning
								Lightning started a fire at a garage which contained several vintage cars.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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MARYLAND, Central

Harford County

East Portion	22	1900EST			0	0		Heavy Rain
		2030EST						

Carroll County

Countywide	22	2030EST			0	0		Flash Flood
		2300EST						

A few roads and low lying areas were flooded and rushing water downed trees on Gillis Falls Road.

Howard County

Countywide	22	2100EST			0	0		Flash Flood
		2359EST						

Roads rapidly flooded and several motorists had to be rescued from their vehicles.

Carroll County

Westminster	23	0030EST			0	0	70K	Lightning
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A garage apartment was damaged by a lightning fire.

During the afternoon of the 22nd, numerous showers and thunderstorms developed just east of the Appalachian Mountains and moved very slowly east across northwest and north central Maryland through the pre-dawn hours of the 23rd. These storms contained very heavy rainfall, frequent lightning, and occasionally produced high winds and large hail. In Allegany County, the heaviest rain fell across the southwestern portion of the county. Several basements were flooded in Rawlings and parts of Route 220 were covered in water. Heavy rainfall downed a tree onto a power line in Frostburg. In Washington County, heavy downpours downed trees in the western portion of the county. In Frederick County, nickel sized hail was reported on Route 40 west of Frederick. In Frederick pea sized hail fell and a wind gust of 50 MPH was estimated. Trees were downed by high winds in the Putman Road area 5 miles north-northwest of Frederick. Pea sized hail was reported in Poolesville. A spotter in Braddock Heights reported 2 inches of rainfall in 20 minutes. At Point of Rocks, the railroad crossing on Route 28 was flooded. A three story mansion was struck by lightning and the resulting fire caused \$300,000 damage. Another lightning fire in Kemptown caused \$20,000 damage. In Carroll County, some roads and low lying area were flooded in the Westminster and Melrose areas. Rainfall totals included 4.05 inches in Manchester and 2.41 inches in Westminster. Gunpowder River overflowed west of Linesboro. Rushing water downed power lines in the northern part of the county. Lightning started a garage on fire and \$70,000 damage was reported.

In Montgomery County, heavy rainfall caused roads to flood so quickly that three people had to be rescued from their cars. The hardest hit areas were in the vicinity of Olney, Wheaton, and Brighton Dam. Numerous roads had to be closed until the water subsided including Brighton Dam Road, Emory Lane, Muncaster Mill Road, Route 97, and West Willow Road. Route 97 was closed after the Hawlings River overflowed just north of Brookville. Rainfall totals included 5.00 inches in Brookville, 4.72 inches in Olney, 4.67 inches in Aspen Hill, 4.00 inches at Brighton Dam, 3.27 inches in Layhill, 2.68 inches in Potomac, and 2.46 inches in Bethesda. In Poolesville, a man was burned on his face as he tried to put out a lightning fire in a three story mansion. A garage with several vintage cars also caught fire after lightning hit the structure. In Howard County, high water closed Brighton Dam Road, Guilford Drive, Route 108, Route 216, Sheppards Lane, Green Bridge Road, Woodstream Drive, Old Frederick Road, Carrs Mill Road, Bethany Lane, Cedar Lane, Route 29, and Old Columbia Road. North Trotter Road was washed out by the Middle Patuxent River. Several people had to be rescued from their vehicles after roads quickly flooded. A mudslide closed Marriottsville Road in Ellicott City. Rainfall reports included an estimate of 5 inches just northeast of Clarksville, 4.10 inches in Clarksville, and 3.30 inches in Cooksville. In Harford County, heavy rain fell mainly across the far eastern portion of the county. Up to 7 inches of rainfall was reported at the Conowingo Dam on the Susquehanna River. Minor flooding was reported near Havre de Grace.

Allegany - Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel - Charles - St. Mary's - Calvert

MDZ002>007-009>011-013>014-016>018

27	1200EST	1	0	Excessive Heat
30	1800EST			

High pressure in combination with southerly winds brought hot, hazy, and humid conditions to the Mid Atlantic region between June 27th and 30th. High temperatures soared into the lower 90s and heat indices reached into the lower 100s through the period. Two deaths in Baltimore were related to the heat wave. On the 30th, a 34-year-old man died from a combination of heart problems, cocaine use, and exposure to the heat. On July 1st, when temperatures still reached near 90 degrees, a 51-year-old man died from heat exhaustion and heart problems. M51OT

Anne Arundel County

Severna Park	29	1337EST	0	0	150K	Thunderstorm Wind
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Four homes were damaged by downed trees.

A thunderstorm that produced damaging winds moved through northern Anne Arundel County during the afternoon of the 29th. The storm produced a brief downburst of winds in excess of 60 MPH over the Severn Heights and Belleview Estates area of Severna Park and Arnold. Four homes received a total of \$150,000 damage after large trees were downed onto them. One of the damaged homes was on Hillcrest Lane and the others were on Rio Lane. A 125-foot-tall tree was downed across Hillcrest Lane, blocking the only way out of the development. Other large trees and branches were felled across yards. Power outages plagued these communities for over 24 hours.

Storm Data and Unusual Weather Phenomena

June 2001

		Time	Path	Path	Number	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property Crops	Character of Storm		
MARYLAND, Central									
Allegany County									
Countywide	30	1605EST 1640EST			0 0	5K	Thunderstorm Wind		
Numerous trees were downed.									
Prince George'S County									
2 SW Oxon Hill	30	1615EST			0 2		Lightning		
Two men were struck by lightning while on a boat dock.									
Anne Arundel County									
Annapolis	30	1640EST			0 0		Thunderstorm Wind (G52)		
A wind gust of 60 MPH was estimated.									
Scattered thunderstorms with damaging wind and dangerous lightning moved across central Maryland between 4 and 6 PM EDT on the 30th. In Prince George's County, two men were hospitalized after being struck by lightning while on a private dock in Fort Washington. They had just come ashore and were securing their boat as the storm hit. Both men, ages 35 and 21, were knocked on their back by the bolt and were momentarily paralyzed. There were holes in their clothing where the electricity passed through. They both had reddish streaks resembling sunburn stretching from their left armpit to their right leg. They were treated for 2nd degree burns at a local hospital. One of the victims had been struck by lightning once before in 8th grade while camping. In Anne Arundel County, numerous trees were downed by high wind. Poplar trees were downed by Annapolis Mall and power outages were reported. A wind gust of 60 MPH was estimated in Annapolis where pea sized hail fell. A wind gust of 45 MPH was reported in Rivera Beach where pea sized hail was also spotted. Thomas Point Lighthouse on the Chesapeake Bay recorded a wind gust of 44 MPH.									
MARYLAND, Northeast									
Caroline County									
Countywide	17	0100EST 0500EST			0 0	10K	Flood		
Showers and thunderstorms associated with the remnants of Tropical Storm Allison dropped heavy rain across Caroline County during the early morning of the 17th. The heavy rain caused flash flooding of streams as well as damage to crops in the county. Forty-one roads had washouts and eleven roads were closed. Three roads remained closed into the start of the work week (the 18th) and one bridge needed to be inspected for possible damage. Five percent of the agricultural land within the county was damaged by the flooding. No serious injuries were reported. Storm totals included 7.50 inches in Denton, 5.80 inches in American Corner and 4.80 inches in Federalsburg. The remnants of Allison had lesser effect elsewhere across the Maryland Eastern Shore, where Doppler Radar storm total estimates were mainly between one and two inches.									
Kent County									
Galena	21	1700EST 1900EST			0 0		Flash Flood		
The same thunderstorm that initially brought wind damage to the Galena area moved so slowly that it dropped four inches of rain within a 20 minute period. Doppler Radar storm total estimates reached between 4 and 5 inches. The torrential downpours caused stream flooding, but no serious injuries were reported.									
Kent County									
Galena	21	1705EST			0 0		Thunderstorm Wind (G50)		
A severe thunderstorm knocked over a few trees near Davis Hill Road.									
Cecil County									
2 S Liberty Grove	22	1830EST			0 0		Thunderstorm Wind (G50)		
A severe thunderstorm knocked down several trees and tore the roof from a barn just south of Liberty Grove. A few trees were also knocked down in nearby Rising Sun.									
Cecil County									
Port Deposit	22	1830EST 2300EST			0 0	250K	Flash Flood		
Thunderstorms that remained nearly stationary across northwestern Cecil County dropped a Doppler Radar storm total estimate of around 10 inches of rain within four hours around Port Deposit during the evening of the 22nd. This caused the flash flooding and even the rerouting of the Octoraro Creek. A two story outdoor tiki-bar and beach were destroyed at the Union Hotel. Nearly 40 people needed to be rescued from the bar and hotel. The first floor of the hotel was flooded and cars were floating in the parking lot. The creek expanded from six feet wide at 6 p.m. EDT to 30 feet wide at 9 p.m. EDT. The creek itself was rerouted by 50 feet as boulders shifted during the flooding. A home near the creek had one foot of mud left on its first floor. Flood waters caused buckling of U.S. Route 222 in several places. The roadway was closed between Port Deposit and the Conowingo Dam through the 25th to remove a foot and a half of dirt and rocks. Elsewhere there were about a dozen water rescues from vehicles in Port Deposit. A volunteer firefighter was injured after being trapped under a truck. In Rising Sun, the flood waters washed out a bridge and flooded basements. Damage was estimated at \$250,000, but no serious injuries were reported.									
MDZ008-012-015-019>020									
	26 30	1100EST 2359EST			0 0		Excessive Heat		

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

MARYLAND, Northeast

A large ridge of high pressure both at the surface and aloft along the western Atlantic Ocean produced as much as six consecutive days of heat and increasing humidity across the Maryland Eastern Shore from June 26th through July 1st. High temperatures reached into the mid 90s with June 28th and June 30th being the two hottest days. A cold front broke the excessive heat with strong to severe thunderstorms on July 1st. Highest temperatures included 95 degrees at the Baltimore-Washington International Airport and 93 degrees in Stevensville (Queen Anne's County) and Salisbury.

Kent County

Rock Hall	30	1710EST		0	0	0	Tstm Wind/Hail
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A thunderstorm with gusty winds overturned some paddle boats and kayaks from Rock Hall southward along the Kent County shoreline. Several water rescues occurred, but no serious injuries were reported.

Queen Anne'S County

Queenstown to Ruthsburg	30	1720EST 1745EST		0	0		Thunderstorm Wind (G50)
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A severe thunderstorm knocked down numerous large tree limbs and wires across the southern part of Queen Anne's County.

Caroline County

Denton to Marydel	30	1807EST 1820EST		0	0		Thunderstorm Wind (G50)
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A severe thunderstorm knocked over several trees across the northern half of Caroline County. Denton suffered the worst tree damage. Hail also fell with the severe thunderstorm.

Caroline County

Federsburg	30	1815EST		0	0	0	Lightning
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Lightning struck and ignited a fire in a Federsburg house. No serious injuries were reported.

MARYLAND, South

NONE REPORTED.

MARYLAND, West

NONE REPORTED.

MASSACHUSETTS, Central and East

Worcester County

Princeton	17	1040EST		0	0		Hail (1.50)
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Worcester County

Princeton	17	1041EST 1043EST		0	0	25K	Tornado (F1)
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Brief F1 touchdown

Middlesex County

Shirley	17	1115EST		0	0		Thunderstorm Wind (G60)
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Middlesex County

Marlborough to Reading	17	1300EST		0	0	400K	Lightning
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An isolated severe thunderstorm, associated with the remnants of Tropical Storm Allison, moved across northern Worcester and northwest Middlesex Counties. A ground and aerial survey later revealed that a tornado moved through Princeton, and two microbursts occurred in Leominster and Shirley.

The tornado occurred between 1141 am and 1143 am in the Coalkiln Road area, in the southeast portion of the town of Princeton. It was rated as an F1 tornado, with winds between 73 and 112 mph. The path length was three-quarters of a mile and the width was as much as 1700 feet. A hundred or more trees were either uprooted or snapped off. A small camper was severely damaged after being lifted up and dropped on a fallen tree. Another tree fell on a house. No injuries occurred. Eyewitnesses, including a trained Skywarn spotter, observed hail as large as ping pong balls just before the tornado struck. There were no visual sightings of a funnel cloud or tornado, which was likely obscured by heavy rain. This was the first tornado to strike Worcester County since August 10, 1990.

A microburst occurred in the eastern portion of Leominster near Johnny Appleseed Lane, just west of Interstate 190. Damage was seen in an area roughly one-half by one-third of a mile, as evidenced by the pattern of fallen and uprooted trees. Another microburst occurred in Shirley, near the east shore of Lake Shirley to Center Road and Parker Road. A truck was damaged by a fallen tree, while other trees fell on a car and a mobile home. Two chimneys were also toppled.

Torrential rainfall caused street and poor drainage flooding throughout central and eastern Massachusetts, and snarled traffic on Father's Day. Storm totals of 3 to 5 inches were common throughout most of the region. Lightning struck two homes in Middlesex County and caused significant damage. One in Marlborough hit a nearby tree, and traveled into the house through a stone wall, destroying the bathroom. In Reading, lightning struck a 212-year old colonial home at Grove and Forest Streets, setting the roof on fire and causing severe damage.

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
MASSACHUSETTS, Central and East									
Hampden County									
Blandford	20	1635EST			0	0		Hail (0.88)	
Hampshire County									
Chesterfield to Westhampton	20	1650EST 1705EST			0	0		Hail (0.88)	
Hampshire County									
South Amherst to Belchertown	20	1720EST 1725EST			0	0		Hail (1.75)	
Hampden County									
Ludlow to Palmer	20	1725EST 1750EST			0	0		Hail (1.75)	
Hampden County									
Wilbraham to Southwick	20	1732EST 1737EST			0	0		Thunderstorm Wind (G50)	
Worcester County									
Hardwick	20	1750EST			0	0		Thunderstorm Wind (G50)	
Worcester County									
Princeton	20	1815EST			0	0		Hail (0.75)	
Worcester County									
Worcester	20	1825EST			0	0		Thunderstorm Wind (G50)	
Hampden County									
Monson	20	1835EST			0	0		Hail (0.88)	
Middlesex County									
Marlborough to Malden	20	1855EST			0	0		Thunderstorm Wind (G50)	
Middlesex County									
Stow	20	1859EST			0	0		Hail (1.75)	
Severe thunderstorms swept across much of western, central, and northeast Massachusetts. In Hampden County, hail as large as golf balls fell in Ludlow and Wilbraham, and several trees and power lines were also downed. In Hampshire County, dime to quarter size hail fell in Chesterfield, Westhampton, South Amherst, and Belchertown, while golf ball size hail was reported in Pelham. Thunderstorm winds also downed wires in Belchertown. In Worcester County, trees and wires were downed in Hardwick and Worcester, and dime sized hail fell in Princeton. As the storms reached Middlesex County, golf ball sized hail was reported in Stow, and large trees and wires were downed in Stow, Maynard, Framingham, Hudson, Sudbury, and Malden.									
Hampshire County									
Plainfield	30	1457EST			0	0		Hail (0.88)	
Hampshire County									
Plainfield to Cummington	30	1530EST			0	0		Hail (0.75)	
Franklin County									
Turners Falls	30	1544EST			0	0		Thunderstorm Wind (G50)	
Hampden County									
Chester	30	1608EST			0	0		Thunderstorm Wind (G50)	
Hampshire County									
Worthington Corners	30	1608EST			0	0		Thunderstorm Wind (G50)	
Hampden County									
Chester	30	1611EST			0	0		Hail (0.88)	
Worcester County									
Barre	30	1630EST			0	0		Thunderstorm Wind (G50)	
Hampshire County									
Granby	30	1635EST			0	0		Hail (0.75)	
Middlesex County									
Wilmington to Littleton	30	1635EST 1640EST			0	0		Thunderstorm Wind (G50)	
Hampshire County									
South Hadley	30	1640EST			0	0		Thunderstorm Wind (G50)	
Worcester County									
Sterling	30	1640EST			0	0		Thunderstorm Wind (G54)	M

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated		June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Property	Crops	Character of Storm
<u>MASSACHUSETTS, Central and East</u>								
Hampden County								
Ludlow	30	1645EST			0	0		Thunderstorm Wind (G50)
Essex County								
Lynnfield	30	1658EST			0	0		Thunderstorm Wind (G50)
Middlesex County								
Reading	30	1658EST			0	0		Thunderstorm Wind (G50)
Essex County								
Peabody to Beverly	30	1700EST 1710EST			0	0		Hail (0.75)
Worcester County								
Shrewsbury	30	1720EST			0	0		Thunderstorm Wind (G50)
Essex County								
Peabody to Marblehead	30	1725EST 1730EST			0	0		Thunderstorm Wind (G55)
Worcester County								
Auburn	30	1730EST			0	0	15K	Lightning
Worcester County								
Westborough to Southborough	30	1730EST 1745EST			0	0		Thunderstorm Wind (G50)
Middlesex County								
Wakefield	30	1740EST			0	0		Thunderstorm Wind (G50)
Norfolk County								
Millis	30	1800EST			0	0		Thunderstorm Wind (G50)
Middlesex County								
Holliston	30	1815EST			0	0		Thunderstorm Wind (G50)
Norfolk County								
Bellingham	30	1820EST			0	0		Hail (1.25)
Norfolk County								
Medway to Sharon	30	1820EST 1835EST			0	0		Thunderstorm Wind (G50)
Worcester County								
Mendon	30	1820EST			0	0		Hail (1.00)
Norfolk County								
Bellingham	30	1825EST			0	0		Tornado (F0)
		Brief F0 touchdown						
Norfolk County								
Norwood	30	1850EST			0	0	10K	Lightning
Norfolk County								
Walpole to Norwood	30	1856EST			0	0		Thunderstorm Wind (G50)
Norfolk County								
Walpole	30	2005EST			0	0		Thunderstorm Wind (G50)
Plymouth County								
Whitman	30	2030EST			0	0	32K	Lightning
Worcester County								
Hopedale	30	2035EST			0	0		Thunderstorm Wind (G50)

The most widespread severe weather event of the season struck most of the Bay State, with countless reports of downed trees, branches, and large hail from the east slopes of the Berkshires into metro Boston and the North Shore.

The storms began in Franklin, Hampshire, and Hampden Counties around mid afternoon, and downed trees in Turners Falls, Worthington, and Chester. Dime to nickel sized hail was also reported. Severe weather reports became more numerous by late afternoon as the storms reached central and northeast Massachusetts. There many reports of large trees down from Littleton, Wilmington, Southborough, Shrewsbury and Sterling, where a spotter recorded a gust to 62 mph. In Essex County, severe thunderstorms downed trees and dropped dime sized hail in Lynnfield, Peabody, Beverly, and Marblehead.

More severe thunderstorms erupted in Worcester County during the evening, dropping quarter sized hail in Mendon. These storms tracked into southern Middlesex County near Holliston, where large limbs were downed, then reached Norfolk County where more considerable storm damage occurred. A microburst downed many large trees and wires in Bellingham, Millis, and Medway. A survey of the debris and an eyewitness account also confirmed that a small F0 tornado touched down in Bellingham around 725 pm

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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MASSACHUSETTS, Central and East

EDT. The tornado was estimated to have a path length of 150 yards and a width of 80 yards. Wind speeds were estimated near 70 mph. There were no injuries. Spotters reported hail as large as a half dollar prior to the wind damage. As the storms progressed across Norfolk County, trees and power lines were downed in Sharon, Walpole, and Norwood. Another severe thunderstorm later in the evening downed trees onto a road in Walpole and another on a house.

The storms also contained frequent cloud-to-ground lightning. Tens of thousands were left without power. In Auburn, lightning caused two house fires when a nearby transformer was struck. In Whitman, a house fire started by a lightning strike on the second floor. Police and fire communications were temporarily disrupted when lightning struck an antenna in Norwood.

MASSACHUSETTS, West

Berkshire County

Housatonic 20 1540EST 0 0 15K Hail (2.00)

Berkshire County

Lee 20 1555EST 0 0 Hail (0.75)

A cold front, pressing into a very unstable warm humid airmass, produced scattered severe thunderstorms across portions of Berkshire County on the afternoon of June 20. Hen egg size (2.00 inch) hail fell in Housatonic while dime size hail (0.75 inch) fell at Lee.

Berkshire County

North Adams 30 1433EST 0 0 Hail (0.75)

Berkshire County

Lanesborough 30 1444EST 0 0 15K Thunderstorm Wind

Berkshire County

Lenox 30 1456EST 0 0 17K Thunderstorm Wind

Berkshire County

Pittsfield 30 1456EST 0 0 12K Thunderstorm Wind

Berkshire County

Lee 30 1529EST 0 0 Hail (0.75)

Berkshire County

West Becket 30 1538EST 0 0 Hail (0.88)

A weak trough rippling through a very unstable air mass, touched off a round of thunderstorms in Berkshire County during the afternoon of June 30. Some of the storms became strong to locally severe. Dime-size hail was reported at North Adams and Lee, while nickel-size hail fell at West Becket. Thunderstorm winds brought trees down in Lanesborough, Pittsfield and Lenox.

MICHIGAN, East

MIZ068

Livingston

01 0000EST 0 0 4K Flood
15 0400EST

The Huron River at Hamburg continued its flood from May. The river crested at 6.71 feet at 8 am EDT on the 4th (flood stage is 6 feet), then fell below flood stage at 5 am EDT on the 15th. Some riverside docks and storage sheds were flooded by the river.

Macomb County

Sterling Hgts 02 1340EST 0 0 Hail (1.00)

Washtenaw County

2 N Whittaker 02 1440EST 0 0 Hail (0.88)

Wayne County

3 NW Woodhaven 02 1519EST 0 0 Hail (0.75)

Macomb County

Warren 02 1544EST 0 0 Hail (0.75)

A cold-core upper low moved into western lower Michigan during the day. Numerous thunderstorms developed ahead of the system, and the cold air aloft was conducive to hail development. Many storms produced pea sized hail; a few went beyond that and reached severe criteria.

Bay County

6 W Pinconning 09 1825EST 0 0 2K Thunderstorm Wind (G50)

A large tree was downed.

Tuscola County

4 N Akron 09 2045EST 0 0 Thunderstorm Wind (G50)

A new playground set was blown around.

Thunderstorms developed in northern lower Michigan along lake breeze boundaries. The storms moved southeast toward Saginaw Bay, producing wind damage in a couple of spots.

Sanilac County

Croswell 10 1542EST 0 0 Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>MICHIGAN, East</u>								
Saginaw County								
2 E Fergus to 4.9 E Fergus	10	2005EST 2010EST			0	0	5K	5K Tornado (F0)
A weak tornado developed from a strong rain shower in Saginaw County. The tornado moved due east, damaging trees and crops along its path.								
A couple of rounds of showers and thunderstorms occurred, thanks to a warm front invading the area, and an upper level disturbance moving in during the evening. One storm in the first round produced marginally severe hail. An otherwise weak thunderstorm in the second round managed to produce a tornado.								
Washtenaw County								
Ypsilanti	12	0430EST			0	0	10K	Lightning
Lightning struck Edmunson Middle School in Ypsilanti Township, igniting the roof of the gymnasium.								
Lenawee County								
3 NW Tecumseh	15	1618EST			0	0	4K	Thunderstorm Wind (G52)
Several trees were blown down.								
Livingston County								
Gregory	15	1620EST			0	0	6K	Thunderstorm Wind (G54)
Numerous trees were blown down.								
Genesee County								
Linden	15	1635EST			0	0	1K	Thunderstorm Wind (G50)
Large tree limbs were blown down.								
Tuscola County								
2 N Caro	15	1640EST			0	0	2K	Thunderstorm Wind (G50)
Numerous large limbs were downed.								
Washtenaw County								
2 E Ypsilanti	15	1700EST			0	0	1K	Thunderstorm Wind (G50)
Large tree limbs were downed. In nearby Ann Arbor, a 48 mph gust was measured.								
Oakland County								
Keego Harbor to Birmingham	15	1710EST 1720EST			0	0	4K	Thunderstorm Wind (G50)
A large tree and numerous large limbs were blown down.								
Monroe County								
3 NE Maybee	15	1720EST			0	0	25K	Thunderstorm Wind (G52)
Several trees and power lines were downed. One tree fell onto an Exeter Township home.								
Wayne County								
Redford	15	1730EST			0	0	1K	Thunderstorm Wind (G50)
Large tree limbs were downed.								
A hot, humid summer day in southeast Michigan allowed thunderstorms to develop in the afternoon. These were generally disorganized, but several managed to reach severe levels, producing a few spots of wind damage.								
Monroe County								
Ottawa Lake to Temperance	19	1942EST 1950EST			0	0		Hail (0.75)
Monroe County								
4 N Lambertville to 2 W Temperance	19	2003EST 2010EST			0	0	5K	Thunderstorm Wind (G52)
Trees and large limbs were blown down.								
Monroe County								
Monroe to Woodland Beach	19	2014EST 2017EST			0	0	50K	Thunderstorm Wind (G53)
Several trees, large limbs, and power lines were downed. Two cars in Monroe were smashed by falling trees. A home in Woodland Beach was heavily damaged when a tree fell on it. Power was out in downtown Monroe well into the next day.								
A cold front moving east across the southern Great Lakes region ignited thunderstorms in Indiana and Ohio. One of these moved across central and southern Monroe County, producing wind damage and large hail along its path.								
<u>MICHIGAN, Extreme Southwest</u>								
Berrien County								
Three Oaks	11	0045EST 1245EST			0	0	0	Thunderstorm Wind
Large tree limbs down								
Berrien County								
3 S Sawyer	12	0027EST			0	0	0	Thunderstorm Wind
Large trees down between Sawyer and Three Oaks								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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MICHIGAN, Extreme Southwest

Cass County

Countywide **12** **0030EST** **0** **0** **0** **Thunderstorm Wind**
0100EST

Large trees and and some wires down across the county.

Berrien County

5 E Benton Center **12** **0040EST** **0** **0** **800K** **Lightning**

Lightning struck the Briarwood apartments in Benton township. 35 residents evacuated. Roof of building and two apartments destroyed, with some damage to other apartments.

Cass County

Edwardsburg **12** **0040EST** **0** **0** **2K** **Thunderstorm Wind**
Several trees uprooted and roof blown off barn.

Cass County

Union **12** **0100EST** **0** **0** **0** **Thunderstorm Wind**
Large trees down.

St. Joseph County

Countywide **12** **0110EST** **0** **0** **0** **Thunderstorm Wind**
0125EST

Large trees down throughout the county with Three Rivers and Constantine hardest hit.

St. Joseph County

Three Rivers **12** **0110EST** **0** **0** **0** **Thunderstorm Wind**
Trees down in Three Rivers

Branch County

6 NW Coldwater **12** **0117EST** **0** **0** **0** **Thunderstorm Wind**
Trees down.

Branch County

Countywide **12** **0140EST** **0** **0** **0** **Thunderstorm Wind**
0150EST
Power lines and trees down at scattered locations throughout county.

Hillsdale County

7 S Hillsdale **12** **0150EST** **0** **0** **0** **Thunderstorm Wind**
Trees down.
Synoptic and Mesoscale discussion

At the surface, low pressure was nearly stationary over southeast Minnesota, with a quasi-stationary front extending southeast toward northern Indiana. Thunderstorms on the cool side of the boundary over MN in the afternoon developed into a large scale bow echo across Wisconsin in the evening, which continued southeast across the KIWX warning area between midnight and 4am. A weak low level veering wind profile under warm advection was present ahead of the bow echo. Evening soundings indicated cape of 2000-3800 j/kg. Bow was moving into progressively less unstable airmass and weaker warm advection which resulted in weakening trend as it moved over Northern Indiana, Southwest Michigan and Northwest Ohio. Despite the slow weakening trend low level base velocity on the KIWX 88-D continued to indicate areas of >64kt winds especially over northern and western parts of the warning area.

Hillsdale County

Hillsdale **19** **2015EST** **0** **0** **0** **Thunderstorm Wind**
Two trees blown down and transformer knocked out.

MICHIGAN, North

Cheboygan County

1 E Cheboygan **09** **1455EST** **0** **0** **Hail (0.75)**

Presque Isle County

Grace **09** **1540EST** **0** **0** **Hail (0.75)**

Presque Isle County

Posen **09** **1655EST** **0** **0** **Hail (0.88)**

Alpena County

2 NW Bolton **09** **1707EST** **0** **0** **Hail (1.25)**

Alpena County

Cathro **09** **1720EST** **0** **0** **Hail (0.75)**

Ogemaw County

Lupton **09** **1725EST** **0** **0** **Hail (0.75)**

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>MICHIGAN, North</u>									
Alpena County									
Alpena Arpt	09	1726EST 1728EST			0	0		Tornado (F0)	
Pilot reported tornado at the Alpena airport. No damage was reported.									
Gladwin County									
6 N Gladwin to 6 NE Gladwin	09	1735EST 1750EST			0	0	90K	Tornado (F1)	
Tornado damaged several buildings and numerous trees.									
Alpena County									
Alpena	09	1740EST			0	0		Hail (0.75)	
Ogemaw County									
Rose City	09	1742EST			0	0		Hail (1.75)	
Ogemaw County									
Lupton	09	1745EST			0	0		Hail (1.75)	
Alpena County									
Ossineke	09	1752EST			0	0		Hail (0.88)	
Ogemaw County									
Selkirk	09	1810EST			0	0		Thunderstorm Wind (G50)	
During the late afternoon hours of June 9th, a small cluster of thunderstorms developed along a lake breeze boundary near the city of Cheboygan. This cluster of storms continued to move southeast along the lake breeze boundary before moving into Lake Huron near Harrisville. These storms dropped large amounts of hail that covered the ground to an inch or two at times.									
A more widespread area of thunderstorms developed further south, affecting Gladwin, Iosco and Ogemaw counties. These storms also produced considerable amounts of hail. A tornado was reported about 6 miles north of the town of Gladwin and moved east to 6 miles northeast of town, damaging six structures and destroying one. There were also numerous trees downed. The tornado remained in Gladwin County through its entire life cycle, with three individual touchdowns noted.									
Antrim County									
Kewadin	15	1215EST			0	0		Thunderstorm Wind (G50)	
Crawford County									
2 S Frederic	15	1230EST			0	0		Thunderstorm Wind (G50)	
One ten inch diameter tree and several branches blown down.									
Crawford County									
Frederic	15	1235EST			0	0		Thunderstorm Wind (G50)	
Several trees snapped off.									
Otsego County									
1 E Elmira	15	1239EST			0	0		Thunderstorm Wind (G50)	
One fourteen inch diameter tree and several branches bown down.									
Charlevoix County									
Boyne City	15	1250EST			0	0		Thunderstorm Wind (G50)	
Numerous three inch limbs down.									
Emmet County									
Petoskey	15	1300EST			0	0	15K	Thunderstorm Wind (G50)	
Numerous large tree limbs blown down. One large limb fell on house causing roof and chimney damage.									
Cheboygan County									
5 N Indian River	15	1315EST			0	0		Thunderstorm Wind (G50)	
Several trees blown down. Two docks blown onto the shore of Burt Lake.									
Cheboygan County									
Cheboygan	15	1332EST			0	0		Hail (0.75)	
Cheboygan County									
Cheboygan	15	1332EST			0	0		Thunderstorm Wind (G55)	
Ten inch diameter top of maple tree broken off.									
Presque Isle County									
Rogers City	15	1400EST			0	0		Lightning	
Large tree struck by lightning and downed across road.									
Chippewa County									
Homestead	15	1425EST			0	0		Thunderstorm Wind (G50)	
Two ten inch diameter trees blown down.									
Ogemaw County									
2 SW Selkirk	15	1510EST			0	0	20K	Thunderstorm Wind (G55)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>MICHIGAN, North</u>								
Ogemaw County								
Selkirk	15	1510EST			0	0	15K	Thunderstorm Wind (G60)
								Numerous trees down and damage to a chimney.
Alpena County								
5 W Lachine	15	1525EST			0	0		Thunderstorm Wind (G50)
								Several six inch branches blown down.
Presque Isle County								
Posen	15	1530EST			0	0		Tornado (F0)
								Brief touchdown lifted truck off ground, blew off barn doors and downed a few large trees.
								A cold front moved across northern Michigan during the afternoon and early evening hours on the 15th. As the cold front collided with warm and humid air in place across the region, numerous thunderstorms developed. Some of the thunderstorms produced damaging winds which blew several trees and branches down. A brief tornado touchdown was also reported near the town of Posen.
Mackinac County								
Countywide	19	0030EST			0	0		Thunderstorm Wind (G55)
								Numerous reports of trees and power lines down around Eckerman, Engadine, St. Ignace and Cedarville.
Chippewa County								
Countywide	19	0100EST			0	0		Thunderstorm Wind (G55)
								Numerous reports of trees and power lines down around Rudyard, Sugar Island, Sault Ste. Marie and Paradise.
								Storms developed ahead of a cold front which moved into the region during the early morning hours of the 19th.
Alpena County								
Hubbard Lake	30	1416EST			0	0		Thunderstorm Wind (G55)
								One mile path of trees uprooted by thunderstorm winds.
Alcona County								
Black River	30	1430EST			0	0		Thunderstorm Wind (G50)
								Several trees and power lines down.
<u>MICHIGAN, Upper</u>								
Marquette County								
10 NW Ishpeming	11	1930EST			0	0		Thunderstorm Wind (G60)
								Two 8 inch diameter trees uprooted. Other trees down.
Dickinson County								
9 WSW Ralph	11	2029EST			0	0		Hail (0.75)
								Dime sized hail.
								An upper air disturbance moving east across Upper Michigan produced a line of thunderstorms during the evening of June 11th. A couple of the storms became severe.
Dickinson County								
10 E Iron Mtn	16	1720EST			0	0		Hail (0.88)
								Nickel sized hail.
Dickinson County								
12 E Iron Mtn	16	1721EST			0	0		Hail (0.88)
								Nickel sized hail.
Schoolcraft County								
8 N Steuben	16	1845EST			0	0		Hail (0.75)
								Dime sized hail.
								An upper level disturbance moving east across Upper Michigan produced scattered thunderstorms during the evening of June 16th.
								Several of the storms produced dime to nickel sized hail.
Ontonagon County								
5 W Silver City	18	2230EST			0	0		Thunderstorm Wind (G60)
								Two foot diameter tree down across road. Other smaller trees also down.
Marquette County								
6 N Ishpeming	18	2315EST			0	0		Hail (1.00)
								One inch hail.
Houghton County								
12 E Houghton	18	2330EST			0	0		Hail (1.75)
								Golf-ball sized hail.
Houghton County								
Houghton	18	2330EST			0	0		Hail (0.75)
								Dime sized hail.

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>MICHIGAN, Upper</u>									
Schoolcraft County									
Cooks	19	0021EST			0	0		Hail (0.75)	
Dime sized hail									
As a cold front moved east across Upper Michigan, thunderstorms produced strong winds and large hail overnight on June 18th and early June 19th.									
Alger County									
Kiva	27	1115EST			0	0		Thunderstorm Wind (G60)	
6 inch diameter trees down.									
Alger County									
Kiva	27	1130EST			0	0		Hail (0.75)	
Dime sized hail.									
Delta County									
15 N Rapid River	27	1200EST			0	0		Hail (0.88)	
Nickel sized hail.									
Schoolcraft County									
9 N Steuben	27	1245EST			0	0		Hail (1.00)	
Quarter sized hail.									
Alger County									
Trenary	27	1255EST			0	0		Hail (1.00)	
Quarter sized hail.									
Alger County									
11 S Munising	27	1315EST			0	0		Hail (0.75)	
Dime sized hail.									
Schoolcraft County									
2 W Creighton	27	1315EST			0	0		Hail (0.75)	
Dime sized hail.									
Marquette County									
2 NE Witch Lake	27	1405EST			0	0		Hail (0.75)	
Dime sized hail.									
Lake breeze boundaries moving inland, combined with a weak cold front, triggered scattered thunderstorms during the afternoon of June 27th. Some of the storms produced large hail.									
<u>MICHIGAN, West</u>									
Allegan County									
Otsego	10	2015EST			0	0	10K 10K	Hail (1.00)	
Ottawa County									
Jamestown	10	2026EST			0	0	10K 10K	Hail (0.75)	
Allegan County									
Saugatuck	10	2110EST 2119EST			0	0	10K 10K	Hail (0.88)	
Several large hail producing thunderstorms developed during the mid evening across Allegan and Ottawa counties. The first report of hail came from 2 miles west of Otsego, in Allegan county, where one inch hail was reported by spotters. Three quarters inch hail was reported by the public in Jamestown township (Ottawa county). Finally, another severe thunderstorm a bit later in the evening produce a report of 0.88" diameter hail in Saugatuck, which was reported by area law enforcement, and a three quarters inch hail report was received by trained spotters in Saugatuck as well.									
Muskegon County									
Norton Shrs to North Muskegon	11	2343EST			0	0	10K 10K	Hail (0.75)	
Ottawa County									
Zeeland to Port Sheldon	12	0000EST 0010EST			0	0	25K	Thunderstorm Wind (G53)	
Allegan County									
Allegan	12	0020EST			0	0	50K	Thunderstorm Wind (G53)	
Van Buren County									
Bangor to Hartford	12	0025EST			0	0	50K	Thunderstorm Wind (G53)	
Kent County									
Cutlerville to East Grand Rapids	12	0035EST 0040EST			0	0	100K	Thunderstorm Wind (G53)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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MICHIGAN, West

Kalamazoo County

Portage	12	0045EST			0	0	10K		Thunderstorm Wind (G53)	M
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Severe thunderstorms that developed during the early morning hours of the 12th produced one isolated report of large hail, and numerous reports of wind damage. The hail report came from Norton Shores (Muskegon county), where three quarters inch hail was observed. A 60 m.p.h. wind gust was reported by the media in Zeeland (Ottawa county), and a 64 m.p.h. gust was reported by the media in Grand Haven (Ottawa county). The only wind damage that was reported with this storm occurred in Port Sheldon (Ottawa county), where several street signs and trees were blown down.

Numerous power lines were blown down in Allegan (Allegan county) as well as across that county. Several trees were blown down in Hartford (Van Buren county) and Bangor (Van Buren county). A large tree was blown down two miles south of Cutlerville (Kenty county), and numerous trees were blown down onto power lines across east Grand Rapids (Kent county). Finally, a 60 m.p.h. wind gust was reported by the media in Portage (Kalamazoo county), and one tree was blown down.

Ottawa County

Allendale	15	1153EST			0	0	10K	10K	Hail (0.88)	
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Calhoun County

Battle Creek	15	1356EST			0	0	10K	10K	Hail (0.75)	
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Clare County

Leota	15	1400EST			0	0	25K		Thunderstorm Wind (G53)	
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Several severe thunderstorms developed during the early afternoon hours of the 15th, producing two reports of large hail and one report of wind damage. The first severe weather report came from Allendale (Ottawa county), where 0.88" diameter hail was observed. Three quarters inch hail was reported by spotters in Battle Creek (Calhoun county). The one report of wind damage came from 3 miles southwest of Leota (Clare county), where numerous trees were blown down, which was reported by local area law enforcement.

Osceola County

Hersey	16	2247EST			0	0	20K		Thunderstorm Wind (G53)	
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Isabella County

Brinton	16	2315EST			0	0	20K		Thunderstorm Wind (G53)	
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Two severe thunderstorms produced wind damage in Isabella and Osceola counties. In Osceola county, a large tree was blown down onto a road in Hersey. In Isabella county, numerous tree branches were blown down onto roads 4 miles southeast of Brinton. The branches blocked portions of Coleman, Vandecar and Woodruff roads between Farwell and Weidman roads.

Van Buren County

Bloomington	18	0425EST			0	0	10K		Thunderstorm Wind (G53)	
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Kalamazoo County

Cooper to Richland	18	0455EST 0500EST			0	0	25K		Thunderstorm Wind (G53)	
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Calhoun County

Battle Creek	18	0515EST 0525EST			0	0	25K		Thunderstorm Wind (G53)	
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Several severe thunderstorms developed along the I-94 corridor from Lake Michigan east to Battle Creek during the early morning hours, producing several reports of downed trees and limbs. A tree was blown down in Bloomington (Van Buren county), which was reported by area law enforcement. Several trees were reported to be blown down in Cooper and Richland (Kalamazoo county), also reported by law enforcement. In Battle Creek, several trees and limbs were blown down along B Drive near I-94, and a large tree was also blown down on south Helmer road.

MIZ038>039-046

Lake - Osceola - Isabella

18	2013EST 2050EST			0	0	100K		High Wind (G62)	
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A non-convective high wind event developed across several counties in central lower Michigan during the mid evening hours of the 18th as a strong warm front lifted north into that area. Across Lake county, several trees were blown down across the southern half of the county. The most damage was reported in Osceola county, where estimated wind gusts to 70 m.p.h. in Hersey downed numerous tree limbs greater than 6 inches in diameter. In Evart (Osceola county), estimated wind gusts of 40 to 50 m.p.h. downed several power lines and trees. In Reed City (Osceola county), several trees and power lines were also blown down. In Tustin, large tree limbs and power lines were also downed by estimated wind gusts of 45 to 50 m.p.h. Finally, in Isabella county, trees were blown down onto power lines along west Herrick road in the far northern part of the county.

Jackson County

Napoleon	19	2030EST			0	0	25K		Thunderstorm Wind (G53)	
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Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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MICHIGAN, West

Jackson County

Jackson to Leoni	19	2043EST 2053EST			0	0	75K	Thunderstorm Wind (G53)
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A severe thunderstorm produced numerous reports of wind damage across Jackson county during the evening hours of the 19th. Trees were blown down in Napoleon township, and numerous trees and power lines were also blown down in the city of Jackson. Trees were also blown down in Leoni township. All of the reports of trees blown down came from Jackson county area law enforcement.

MINNESOTA, Central and South Central

Blue Earth County

2 W Mapleton	01	1155CST			0	0		Hail (0.75)
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Wright County

2 W Maple Lake	01	1202CST			0	0		Funnel Cloud
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Faribault County

1 N Easton	01	1210CST			0	0		Hail (1.00)
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Several home windows broken.

Wright County

2 E Maple Lake	01	1210CST 1212CST			0	0		Tornado (F0)
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Touched down on Maple Lake, drawing water up into a condensation funnel. Tornado made it to shore and flipped a few docks and boats, and knocked down a few trees.

Wright County

3 NW Buffalo	01	1216CST 1217CST			0	0		Funnel Cloud
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Freeborn County

Freeborn	01	1218CST 1223CST			0	0		Hail (1.00)
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Freeborn County

Hartland	01	1220CST			0	0		Hail (0.75)
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Freeborn County

Hartland	01	1220CST			0	0		Thunderstorm Wind (G52)
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Freeborn County

Manchester	01	1222CST			0	0		Hail (0.75)
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Freeborn County

Conger	01	1230CST			0	0		Hail (0.75)
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Freeborn County

2 N Emmons	01	1236CST 1237CST			0	0		Funnel Cloud
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Hennepin County

Rockford	01	1236CST			0	0		Hail (0.75)
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Freeborn County

5 W Albert Lea	01	1240CST			0	0		Hail (0.75)
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Hennepin County

5 S Rockford	01	1253CST 1254CST			0	0		Funnel Cloud
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Hennepin County

4 NW Maple Plain	01	1303CST 1304CST			0	0		Funnel Cloud
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Reported in the northwestern corner of Independence.

Hennepin County

1 S Maple Plain	01	1310CST 1320CST			0	0		Hail (0.75)
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Three distinct bursts of hail which turned the ground white.

Hennepin County

2 S Maple Plain	01	1318CST 1319CST			0	0		Funnel Cloud
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Funnel was reported to be close to the ground, but debris was not observed.

Hennepin County

Eden Prairie	01	1355CST			0	0		Hail (0.75)
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Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
MINNESOTA, Central and South Central								
Hail occurred in northwestern corner of city.								
Watonwan County								
2 S Butterfield	01	1423CST			0	0		Hail (1.00)
Scott County								
Savage	01	1437CST			0	0		Hail (0.88)
Ground turned white with hail in southern Savage.								
Dakota County								
Burnsville	01	1440CST 1444CST			0	0		Hail (0.75)
Mcleod County								
Winsted	01	1610CST			0	0		Hail (0.75)
Pope County								
9 S Starbuck	09	1505CST			0	0		Hail (0.75)
Renville County								
Buffalo Lake	09	2218CST			0	0		Hail (0.75)
Lac Qui Parle County								
Nassau	09	2330CST			0	0	3K	Thunderstorm Wind (G55)
Machine shed down. Shingles off roofs. Numerous trees toppled.								
Meeker County								
Grove City	09	2330CST			0	0		Thunderstorm Wind (G50)
Few trees and power lines blown down.								
Mcleod County								
Hutchinson	09	2340CST			0	0		Hail (0.75)
Swift County								
3 SW Appleton	10	0010CST			0	0		Thunderstorm Wind (G60)
Car blown off road.								
Yellow Medicine County								
3 S Clarkfield	10	0019CST 0020CST			0	0		Tornado (F0)
Tornado touched down in open field. No damage reported.								
Lac Qui Parle County								
Louisburg	10	0040CST			0	0		Thunderstorm Wind (G53)
A few trees down, empty rail car moved.								
Lac Qui Parle County								
9 N Madison	10	0040CST			0	0		Thunderstorm Wind (G60)
Car blown off road.								
Redwood County								
Vesta	10	0040CST			0	0		Thunderstorm Wind (G55)
Large tree branches down.								
Renville County								
Sacred Heart	10	0110CST			0	0		Thunderstorm Wind (G50)
Trees blown down.								
Douglas County								
Brandon	11	0905CST			0	0		Hail (0.88)
Stearns County								
3 S Sauk Centre	11	0950CST			0	0		Hail (1.00)
Todd County								
Browerville	11	0957CST			0	0		Hail (1.25)
Morrison County								
Little Falls	11	1014CST			0	0		Hail (1.00)
Douglas County								
1 N Rose City	11	1020CST			0	0		Hail (1.75)
Todd County								
4 NW Clotho	11	1027CST			0	0		Hail (1.75)
Todd County								
Eagle Bend	11	1032CST			0	0		Hail (1.00)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>MINNESOTA, Central and South Central</u>									
Morrison County									
Buckman	11	1150CST			0	0		Hail (0.75)	
Stevens County									
Donnelly	11	1302CST			0	0		Hail (1.00)	
Stevens County									
6 N Morris	11	1320CST			0	0		Hail (0.75)	
Stevens County									
7 SW Hancock	11	1345CST			0	0		Hail (1.25)	
Douglas County									
2 NW Carlos	11	1330CST			0	0		Thunderstorm Wind (G52)	
Few trees downed at Lake Carlos State Park. This was the first report from a complex of storms that would enter Todd and Morrison Counties, and which produced the tornado 4 ESE Long Prairie at 1355. The last report from this batch of storms was in Morrison County at 1430.									
Douglas County									
2 S Rose City	11	1337CST			0	0		Hail (1.00)	
Todd County									
Eagle Bend	11	1345CST			0	0		Hail (1.75)	
Todd County									
3 E Long Prairie	11	1355CST 1400CST			0	0	50K	Thunderstorm Wind (G65)	
Semi trailer flipped over. Sheds, silos, and numerous trees down. Damage caused by rear flank downdraft that accompanies tornado. As determined by NWS damage survey.									
Todd County									
4 ESE Long Prairie	11	1355CST 1356CST			0	0		Tornado (F0)	
Brief touchdown in wooded area. Tornado was accompanied by swath of wind damage from rear flank downdraft.									
Morrison County									
Elmdale	11	1405CST			0	0		Thunderstorm Wind (G52)	
Tree toppled and brushed against house.									
Morrison County									
10 E Royalton to Pierz	11	1415CST			0	0		Thunderstorm Wind (G52)	
Nearly a dozen large trees felled.									
Morrison County									
Morrill	11	1420CST			0	0		Thunderstorm Wind (G50)	
Few trees and power lines down.									
Morrison County									
2 N Little Falls	11	1430CST			0	0		Hail (0.88)	
This was the last severe report from a series of storms that formed in Douglas County near Rose City, produced a tornado 3 E Long Prairie in Todd County, and moved into Morrison County.									
Swift County									
2 SW Danvers	11	1340CST			0	0		Tornado (F0)	
A large storm organized rapidly just northeast of Appleton in Swift County, and began producing several brief touchdowns in and around Danvers. The first known tornado, 2 SW Danvers, was a brief touchdown in an open field, destroying an irrigation system. The storm would produce a total of nine tornadoes, including the Benson to DeGraff F2 tornado.									
Swift County									
Danvers	11	1343CST			0	0		Tornado (F0)	
Few trees knocked down on southern outskirts of town.									
Swift County									
Danvers	11	1344CST			0	0		Tornado (F0)	
Radio tower knocked down, few trees broken on the north edge of town.									
Swift County									
4 E Danvers	11	1348CST 1349CST			0	0		Tornado (F1)	
Shed, grain bins destroyed, windows blown out. High tension electric transmission line knocked down.									
Swift County									
4 ENE Danvers	11	1349CST 1350CST			0	0		Tornado (F0)	
Brief touchdown on edge of open field. Few broken trees.									

Storm Data and Unusual Weather Phenomena

									June 2001
	Time	Path	Number of	Estimated					
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
MINNESOTA, Central and South Central									
Swift County									
2 SE De Graff	11	1400CST 1402CST			0	0		Tornado (F0)	
Brief tornado over open land tracked east and crossed Highway 212 before dissipating.									
Swift County									
Benson to De Graff	11	1406CST 1422CST			0	7	10M	Tornado (F2)	
After several brief tornadoes around Danvers, a much larger tornado struck the east side of Benson and travelled southeast along Highway 212. 71 structures were damaged, including 4 homes and 7 businesses that had to be demolished. The tornado lifted off in DeGraff, but not before damaging one last grain bin, taking the roof off a grain elevator, and knocking several sheds down in DeGraff. Seven people were injured when they fled a van just as the tornado was hitting the vehicle on the eastern edge of Benson. One boy was critically injured but survived and was discharged from the hospital two weeks later. Damage listed encompasses damages from all tornadoes and wind events in Swift County.									
Swift County									
Murdock	11	1426CST			0	0		Thunderstorm Wind (G60)	
Several sheds down, some siding off homes, numerous trees down, mostly on western side of town.									
Swift County									
1 NW Kerkhoven	11	1433CST			0	0		Tornado (F0)	
Tornado knocked down a few dozen trees.									
Swift County									
Kerkhoven	11	1434CST			0	0		Thunderstorm Wind (G55)	
Dozens of trees downed.									
Kandiyohi County									
1 NW Willmar	11	1450CST 1452CST			0	0		Tornado (F0)	
This was the last tornado associated with the complex that produced the Benson F2 tornado. The storm had travelled along Highway 212 from Danvers to Benson to Kandiyohi, producing numerous tornadoes, hail, and strong wind gusts.									
Kandiyohi County									
Willmar Arpt	11	1458CST			0	0		Thunderstorm Wind (G52) M	
Large tree branches down in Willmar.									
Kandiyohi County									
Kandiyohi	11	1512CST			0	0		Hail (1.00)	
This was the last severe report from the mesocyclone that began in Swift County and produced nine tornadoes from the Danvers area to 1 NW Willmar.									
Swift County									
9 N Kerkhoven to 9 NNE Kerkhoven	11	1427CST 1430CST			0	0		Tornado (F1)	
A new mesocyclone formed to the northeast of the storm that produced the Benson tornado. This new storm went on to produce five tornadoes, with the last one occurring near New Market in Scott County. This storm also produced large hail and very strong damaging wind from its beginning, all the way to the southern suburbs of Minneapolis. This mesocyclones first tornado touched down in Swift County, 9 N to NNE Kerkhoven, and knocked down two barns and several outbuildings in the Monson Lake area before traveling into Kandiyohi County, one mile southwest of Sunburg.									
Kandiyohi County									
3 S Sunburg to 1 E Atwater	11	1430CST 1510CST			0	0	15M 6M	Thunderstorm Wind (G103) M	
The mesocyclone which produced its first tornado 9 N Kerkhoven in Swift County intensified dramatically as it neared Spicer. A 5 to 6 mile wide swath of damaging wind blasted an area in a strip from Sunburg to 5 S Sunburg, then intensified dramatically as it neared Spicer and Green Lake. It continued toward the Atwater area, where a seed farm measured 103 knots (119 mph). It then exited Kandiyohi County and went into Meeker County. Hundreds of structures were damaged by the wind, including roofs off some businesses and garages, along with many downed barns, grain bins and outbuildings. Several thousand trees were felled, many onto homes and vehicles.									
Kandiyohi County									
1 SW Sunburg to 5 SE Sunburg	11	1430CST 1435CST			0	0		Tornado (F1)	
Tornado entered Kandiyohi County after forming 9 NNE Kerkhoven in Swift County. It traveled southeast, demolishing several barns, grain bins and outbuildings.									
Kandiyohi County									
8 SE Sunburg to 7 W New London	11	1439CST 1441CST			0	0		Tornado (F1)	
Several barns and outbuildings down, church lost its roof, then tornado dissipated over open land. Filmed by storm chaser.									

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
MINNESOTA, Central and South Central								
Kandiyohi County								
5 W Spicer to 4 W Spicer	11	1447CST 1449CST			0 2			Tornado (F1)
								Sheds and pole barns down. Church lost part of its roof. Two people were injured when their truck and camper were flung to the edge of a lake.
Kandiyohi County								
4 SW Spicer	11	1500CST			0 0			Hail (3.00)
								Wind driven large hail caused major damage across Kandiyohi County. Damage estimate for the county is listed with the 3 S Sunburg to 1 E Atwater listing.
Kandiyohi County								
1 NW Atwater	11	1507CST 1515CST			0 0			Hail (2.50)
Meeker County								
3 W Grove City to 4 SE Dassel	11	1510CST 1545CST			0 0	10M	3M	Thunderstorm Wind (G80)
								The storm complex moved into Meeker County, producing a 4 to 5 mile wide swath of damage from northwest to southeast across the county. The most severe damage was in Grove City and Litchfield. The Grove City High School auditorium roof collapsed, and light towers and other structures were destroyed at the Grove City race track. Hundreds of trees were toppled in Litchfield, many onto homes and vehicles. Dozens of barns, grain bins, and outbuildings sustained damage across the county. Homes were pummeled by wind-driven hail. Damage amount listed is for all events in Meeker County.
Meeker County								
1 E Cedar Mills	11	1515CST			0 0			Thunderstorm Wind (G60)
								20 ton truck rolled over by wind.
Meeker County								
Litchfield	11	1525CST 1535CST			0 0			Hail (2.00)
								Wind blown hail dented houses, vehicles, and hundreds of structures.
Meeker County								
1 WSW Litchfield	11	1525CST 1526CST			0 0			Tornado (F1)
								Damage survey indicated brief tornado on the west side of Lake Ripley, downing trees and ripping apart sheds and outbuildings. Tornado was accompanied by a large swath of damaging wind.
Meeker County								
4 SE Dassel to 2 E Dassel	11	1545CST 1552CST			0 0			Hail (1.75)
Wright County								
1 W Cokato	11	1553CST			0 0			Hail (1.75)
Mcleod County								
Hutchinson	11	1558CST			0 0			Hail (1.00)
								At highways 7 and 15.
Wright County								
1 W Cokato	11	1601CST			0 0			Thunderstorm Wind (G52)
								Ten inch diameter branches downed. Minor damage to siding on house.
Mcleod County								
Lester Prairie to Winsted	11	1612CST 1615CST			0 0			Hail (1.75)
Mcleod County								
Lester Prairie	11	1615CST			0 0	100K		Thunderstorm Wind (G61) M
								Wind driven hail caused damage to houses and vehicles.
Carver County								
New Germany	11	1620CST 1636CST			0 0			Hail (0.75)
Carver County								
Waconia	11	1625CST			0 0	15M		Hail (2.75)
								Fell on the north side of Lake Waconia. Damage total is for all wind and hail damages in Carver County between 1620 and 1640.
Carver County								
Norwood	11	1626CST			0 0			Hail (1.00)
Carver County								
Watertown to 1 S Watertown	11	1628CST 1630CST			0 0			Hail (2.50)

Storm Data and Unusual Weather Phenomena

		Time	Path	Number of	Estimated	June 2001		
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm
MINNESOTA, Central and South Central								
Many homes and vehicles damaged.								
Hennepin County								
St Bonifacius	11	1630CST			0	0	25M	Hail (3.00)
Many vehicles and structures damaged. Damage estimate is for all wind and hail damage in Hennepin County from the storm that occurred from 1630 to 1708.								
Carver County								
New Germany	11	1636CST			0	0		Thunderstorm Wind (G50)
Six inch diameter branches down.								
Carver County								
Chanhasen	11	1637CST			0	0		Thunderstorm Wind (G54) M
At NWS Office. Wind driven hail damaged vehicles and homes.								
Hennepin County								
Mound	11	1639CST			0	0		Hail (2.75)
Homes and vehicles damaged.								
Carver County								
Chaska	11	1640CST			0	0		Hail (0.75)
Scott County								
Belle Plaine	11	1643CST			0	0		Thunderstorm Wind (G55)
Several two foot diameter trees felled.								
Hennepin County								
Eden Prairie	11	1645CST			0	0		Hail (2.00)
Near Highways 101 and 62.								
Hennepin County								
Eden Prairie	11	1645CST			0	0		Thunderstorm Wind (G61) M
Measured near Highways 101 and 62. A few trees on houses and vehicles.								
Hennepin County								
Long Lake	11	1645CST			0	0		Hail (0.75)
Scott County								
2 NE New Prague	11	1650CST			0	0	5K	Thunderstorm Wind (G52)
Numerous trees uprooted on east side of Cedar Lake, and a few boats and pontoons were flipped.								
Scott County								
Savage	11	1651CST			0	0		Hail (0.75)
Hennepin County								
Flying Cloud Arpt	11	1653CST			0	0		Hail (1.25)
Hennepin County								
Hopkins	11	1653CST			0	0		Hail (1.75)
Dakota County								
Burnsville	11	1655CST 1714CST			0	0	500K	Hail (1.25)
Wind driven hail damaged houses and vehicles.								
Dakota County								
Burnsville	11	1655CST			0	0		Thunderstorm Wind (G55)
Dozens of trees down, including some two feet in diameter.								
Hennepin County								
Bloomington	11	1655CST			0	0		Thunderstorm Wind (G61) M
Hundreds of trees toppled, many onto homes and vehicles.								
Hennepin County								
Edina	11	1655CST			0	0		Thunderstorm Wind (G55)
About 60 trees knocked down at Braemar Golf Course.								
Scott County								
Prior Lake	11	1655CST			0	0	500K	Hail (1.75)
Wind driven hail damaged houses and vehicles.								
Hennepin County								
Minneapolis	11	1657CST 1704CST			0	0		Hail (1.75)
On Hennepin Avenue South.								
Hennepin County								
Richfield	11	1658CST			0	0		Thunderstorm Wind (G50)
About one dozen trees downed.								

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>MINNESOTA, Central and South Central</u>									
Hennepin County									
Bloomington	11	1700CST			0	0		Hail (1.75)	
Hennepin County									
Edina	11	1700CST			0	0		Hail (1.75)	
Scott County									
2 W New Market	11	1700CST 1701CST			0	0	50K	Tornado (F1)	
Sheds, outbuildings and a barn down. This was the fifth and last tornado from this particular mesocyclone that produced its first tornado in Swift County 9 N Kerkhoven at 1427.									
Dakota County									
Eagan	11	1705CST			0	0		Hail (1.00)	
Hennepin County									
Bloomington	11	1705CST			0	0	200K	Lightning	
Lightning struck an apartment building and ignited a fire.									
Washington County									
Cottage Grove	11	1705CST			0	0		Thunderstorm Wind (G52)	
Few trees and power lines down.									
Hennepin County									
Minneapolis/St Paul	11	1708CST			0	0		Hail (0.75)	
At MSP International Airport.									
Rice County									
3 E Northfield	11	1715CST			0	0	1K	Thunderstorm Wind (G55)	
Numerous trees felled. Deck of home torn off.									
Ramsey County									
Maplewood	11	1719CST			0	0		Hail (0.75)	
At 694 and Highway 61.									
Washington County									
4 E Cottage Grove	11	1723CST			0	0		Thunderstorm Wind (G52) ^M	
Few trees and power lines down.									
Washington County									
Stillwater	11	1726CST			0	0		Hail (0.75)	
Goodhue County									
Goodhue	11	1745CST			0	0		Hail (1.75)	
Goodhue County									
Red Wing	11	1800CST			0	0		Thunderstorm Wind (G52)	
Scattered trees down in Red Wing. This was the last report in Minnesota from a mesocyclone and complex of storms that produced its first severe weather in Swift County (9 N Kerkhoven) at 1427.									
Benton County									
3 SW Gilman	11	1500CST			0	0	50K	Thunderstorm Wind (G60)	
Roof off barn, two sheds down.									
Wright County									
Monticello	11	1520CST			0	0		Thunderstorm Wind (G56)	
Carver County									
3 NE Young America	11	1525CST			0	0		Hail (1.00)	
At Highways 25 and 5.									
Dakota County									
Hastings	11	1529CST			0	0		Hail (0.88)	
At Highways 61 and 316.									
Goodhue County									
Red Wing	11	1545CST			0	0		Funnel Cloud	
Wall cloud lingered over Red Wing for nearly 30 minutes, and a brief funnel cloud was spotted.									
Isanti County									
4 SE Isanti	11	1545CST			0	0		Thunderstorm Wind (G52)	
Trees down at County Roads 12 and 45.									
Washington County									
2 E Forest Lake	11	1600CST			0	0		Thunderstorm Wind (G52)	
Few trees down, including some on power lines.									

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
MINNESOTA, Central and South Central							
Chisago County							
2 N Almelund	11	1630CST			0	0	Hail (1.20)
Martin County							
Ceylon	12	2115CST			0	0	Hail (0.75)
Faribault County							
Elmore	12	2300CST			0	0	Hail (0.88)
Martin County							
Ceylon	12	2305CST			0	0	Thunderstorm Wind (G50)
		Trees down.					
Faribault County							
Walters	12	2330CST			0	0	Hail (0.75)
Faribault County							
5 W Wells	12	2330CST			0	0	20K
		Barn shifted off foundation. Several trees felled.					Thunderstorm Wind (G70)
Steele County							
Owatonna	12	2330CST			0	0	10K
		Roof partially torn off of two businesses. Sheds torn down along with numerous trees.					Thunderstorm Wind (G65)
Lac Qui Parle County							
6 S Dawson	13	0230CST			0	0	Thunderstorm Wind (G50)
		Large tree branches down.					
Dakota County							
Apple Vly	13	0530CST			0	0	80K
		Lightning struck a gas line on the west side of Apple Valley, igniting a fire in 3 homes.					Lightning
Stevens County							
8 W Donnelly	13	1635CST			0	0	Hail (1.75)
Meeker County							
2 N Cedar Mills	13	1720CST			0	0	Hail (1.00)
Meeker County							
5 NE Grove City	13	1725CST			0	0	Funnel Cloud
Meeker County							
9 N Litchfield	13	1742CST			0	0	Hail (1.75)
Meeker County							
7 N Litchfield	13	1757CST			0	0	Hail (1.75)
Douglas County							
5 NE Nelson	13	1800CST			0	0	Tornado (F0)
		1801CST					
		Minor tree and power pole damage.					
Douglas County							
1 N Forada	13	1805CST			0	0	Funnel Cloud
Stearns County							
Albany	13	1805CST			0	0	Hail (0.75)
Stearns County							
2 N Albany	13	1807CST			0	0	Hail (0.88)
Todd County							
4 W Bertha to	13	1815CST			0	0	10K
3 WNW Bertha		1818CST					Tornado (F3)
		NWS Grand Forks damage survey revealed an F3 tornado touch down in Otter Tail County, one mile NW of Parkers Prairie at 1753 CST. It tracked to just southeast of Wrightstown, for an 11 mile path in Otter Tail County. It then continued on for one mile in Todd County where it dissipated 3 WNW of Bertha. Total path length 12 miles.					
Todd County							
Hewitt	13	1820CST			0	0	Thunderstorm Wind (G50)
		Several trees downed.					
Morrison County							
Sobieski	13	1830CST			0	0	Funnel Cloud
Morrison County							
2 E Swanville	13	1830CST			0	0	Thunderstorm Wind (G50)
		Few trees uprooted.					

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
MINNESOTA, Central and South Central								
Morrison County								
5 NNW Little Falls	13	1835CST			0	0		Funnel Cloud
Todd County								
1 NE Long Prairie	13	1840CST			0	0		Funnel Cloud
Todd County								
1 NW Long Prairie	13	1840CST			0	0		Funnel Cloud
Todd County								
7 E Long Prairie	13	1844CST 1845CST			0	0		Tornado (F0)
		No damage reported.						
Morrison County								
2 N Flensburg to 2 N Darling	13	1900CST 1910CST			0	0	200K	Tornado (F2)
		One home lost its roof. Several sheds and outbuildings blown down. Two additional homes sustained minor damage.						
Todd County								
5 ESE Long Prairie	13	1932CST 1933CST			0	0		Tornado (F0)
		Brief touchdown in open field. No damage reported.						
Morrison County								
4 SE Motley	13	1936CST			0	0		Hail (1.75)
Brown County								
Comfrey	13	2050CST			0	0		Thunderstorm Wind (G55)
		A door was blown off a pole barn. A few sheds damaged. Trees down.						
Watonwan County								
4 N Darfur	13	2050CST			0	0		Thunderstorm Wind (G57)
		A few sheds toppled.						
Watonwan County								
Butterfield	13	2055CST			0	0		Thunderstorm Wind (G50)
		A few trees down.						
Watonwan County								
5 S St James	13	2100CST			0	0		Thunderstorm Wind (G55)
		Five trees felled near Long lake.						
Watonwan County								
St James	13	2100CST			0	0		Thunderstorm Wind (G55)
		Several trees down.						
Martin County								
6 NE Dunnell	13	2110CST			0	0		Thunderstorm Wind (G50)
		Trees down.						
Watonwan County								
Madelia	13	2110CST			0	0		Thunderstorm Wind (G52)
		Trees and powerlines down.						
Blue Earth County								
Lake Crystal	13	2125CST			0	0	2K	Thunderstorm Wind (G50)
		Several 10 inch branches down. One branch fell on truck causing moderate damage.						
Le Sueur County								
Kasota	13	2127CST			0	0		Thunderstorm Wind (G50)
		Trees down.						
Todd County								
Long Prairie to 5 E Long Prairie	13	2130CST 2345CST			0	0	100K	Flash Flood
		Highway 27 flooded in Long Prairie. Road washed out 5 E Long Prairie.						
Mille Lacs County								
Vineland	13	2140CST			0	0		Thunderstorm Wind (G55)
		Trees and power lines down.						
Blue Earth County								
Mankato Arpt	13	2155CST			0	0		Thunderstorm Wind (G54) ^M
Faribault County								
Kiester	13	2200CST			0	0		Thunderstorm Wind (G55)
		Several trees down in Northwest side of town. Shingles blown off roof.						

Storm Data and Unusual Weather Phenomena

June 2001

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>MINNESOTA, Central and South Central</u>									
Scott County									
New Market	13	2200CST			0	0		Thunderstorm Wind (G50)	
Large tree limbs down.									
Le Sueur County									
New Prague	13	2208CST			0	0		Thunderstorm Wind (G61)	M
Reported by MNDOT road weather system.									
Scott County									
New Prague	13	2208CST			0	0		Thunderstorm Wind (G61)	M
Reported by MNDOT road weather system. Large tree limbs down.									
Rice County									
Little Chicago	13	2218CST			0	0		Thunderstorm Wind (G54)	M
Reported by MNDOT road weather report system.									
Stearns County									
Belgrade	13	2220CST			0	0		Thunderstorm Wind (G55)	
Trees and power lines toppled.									
Dakota County									
Burnsville	13	2230CST			0	0		Thunderstorm Wind (G50)	
Four inch diameter branch severed at I-35 and Burnsville Parkway. Security light bent.									
Dakota County									
Lakeville	13	2230CST			0	0		Thunderstorm Wind (G52)	
Construction barrier blown over.									
Mille Lacs County									
Onamia	13	2230CST			0	0	10K	Flash Flood	
Several roads flooded. Basements flooded in Wahkon. Four and seven tenths inches of rain at Gull Lake.									
Morrison County									
Little Falls	13	2230CST			0	0	20K	Flash Flood	
Little Elk River in Randall overflowed. Skunk River in Pierz overflowed and undermined Park Road bridge. Many highways and basements flooded.									
Morrison County									
1 W Little Rock to Pierz	13	2230CST 2235CST			0	0		Thunderstorm Wind (G55)	
Swath of scattered trees down.									
Dakota County									
Farmington	13	2235CST			0	0		Thunderstorm Wind (G55)	
Fourteen trees toppled in rural Farmington.									
Dakota County									
Apple Vly	14	0030CST			0	0	25K	Lightning	
Lightning struck a gas line in the Northeastern corner of Apple Valley. A fire was then ignited at three homes.									
Freeborn County									
Albert Lea	14	0130CST			0	0	10K	Flash Flood	
Numerous streets and basements flooded.									
Martin County									
Fairmont Arpt	15	1935CST			0	0		Thunderstorm Wind (G55)	M
Sherburne County									
1 NW Cable	16	1317CST			0	0		Hail (0.75)	
Stearns County									
Kimball	16	1320CST			0	0		Hail (1.00)	
Wright County									
Monticello	16	1345CST			0	0		Hail (0.75)	
Anoka County									
Ramsey	16	1403CST			0	0		Hail (0.75)	
Hennepin County									
New Hope	16	1415CST			0	0		Hail (0.75)	
Hennepin County									
Minneapolis	16	1418CST 1425CST			0	0		Hail (0.75)	
Event occurred at the Minneapolis/St. Paul Int. Airport, and was reported by a citizen.									

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>MINNESOTA, Central and South Central</u>									
Hennepin County									
Minneapolis	16	1418CST			0	0		Hail (0.75)	
		Hail occurred at the University of Minnesota.							
Ramsey County									
2 SW White Bear Lake	16	1425CST			0	0		Hail (0.75)	
		Hail occurred in the city of Shoreview.							
Goodhue County									
Dennison	17	1820CST			0	0		Hail (1.50)	
Goodhue County									
Frontenac	17	2005CST 2015CST			0	0		Hail (1.50)	
Morrison County									
5 W Lastrup	18	0330CST			0	0	1K	Thunderstorm Wind (G60)	
		Trees toppled onto garage door, and knocking down TV antenna.							
Morrison County									
1 N Buckman	18	0345CST			0	0	10K	Thunderstorm Wind (G65)	
		Numerous trees uprooted. Garage flattened. Granary unroofed.							
Benton County									
Foley	18	0410CST			0	0		Hail (1.00)	
Mille Lacs County									
7 N Milaca	18	0410CST			0	0		Hail (2.00)	
Mille Lacs County									
10 N Milaca	18	0415CST			0	0		Hail (2.50)	
Kanabec County									
1 N Ogilvie	18	0428CST			0	0		Hail (2.00)	
		Hail broke all windows in home.							
Isanti County									
5 N Dalbo	18	0430CST			0	0		Thunderstorm Wind (G50)	
		A few trees down.							
Kanabec County									
Mora	18	0436CST			0	0		Hail (1.00)	
Isanti County									
Braham	18	0450CST			0	0	50K	Hail (1.50)	
		Numerous cars, windows, roofs and siding damaged.							
Isanti County									
Braham	18	0450CST			0	0		Thunderstorm Wind (G50)	
		A few trees down.							
Isanti County									
Cambridge	18	0450CST			0	0		Hail (1.25)	
		Numerous cars damaged.							
Chisago County									
Rush City to 2 N Rush City	18	0505CST 0515CST			0	0	400K	Hail (2.75)	
		Ninety percent of homes in town received damage. Hundreds of broken windows. Siding, roofs and vehicles damaged by wind driven hail.							
Chisago County									
2 W Rush City to 2 S Rush City	18	0510CST			0	0	60K	Thunderstorm Wind (G70)	
		Roof ripped off pole barn. Siding torn from garage, and then blown onto truck. Trees toppled on to two pickup trucks.							
Renville County									
2 S Buffalo Lake	18	0530CST			0	0		Hail (1.75)	
Washington County									
Newport	18	0540CST			0	0		Hail (0.75)	
Sibley County									
Gibbon	18	0555CST			0	0		Hail (1.75)	
Sibley County									
1 N Arlington	18	0615CST 0625CST			0	0		Hail (2.00)	

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>MINNESOTA, Central and South Central</u>									
Scott County									
Savage	18	0645CST			0	0		Hail (0.75)	
Reported at Hwy. 13 and County Rd. 42.									
Dakota County									
Burnsville	18	0650CST			0	0		Hail (0.75)	
Reported at Hwy. 13 and County Rd. 5.									
Stearns County									
St Joseph	18	0800CST			0	0	5K	Thunderstorm Wind (G65)	
Dozens of trees knocked over in a 6 square block area of town. Some trees on houses caused roof damage. Powerlines also down.									
Isanti County									
2 E Day to .3 NE Braham	18	1822CST 1835CST			0	0	200K	Tornado (F1)	
NWS damage survey indicated tornado trekked from 2 miles E of Day to the northeastern corner of Braham, exiting Isanti county at 1835 CST, and then headed into Kanabec county. Two barns were brought down, a dozen outbuildings damaged. Trees toppled, a few sheds were smashed, and siding was ripped off houses in the northwestern side of Braham.									
Kanabec County									
Grasston	18	1829CST			0	0		Hail (1.50)	
Kanabec County									
4 S Grasston	18	1835CST 1836CST			0	0		Tornado (F1)	
Isanti county tornado exited Isanti County at Braham and continued for another quarter of a mile into Kanabec county. It dissipated 1/4 mile NE of Braham, or 4 miles south of Grasston. As per NWS damage survey. No damage reported in Kanabec county.									
Faribault County									
Elmore	18	1855CST			0	0		Hail (0.75)	
Waseca County									
7 W New Richland	18	1910CST			0	0		Hail (1.75)	
Waseca County									
2 S Waseca	18	1913CST			0	0		Hail (0.75)	
Steele County									
7 SW Owatonna	18	1928CST			0	0		Hail (1.00)	
Isanti County									
Cambridge	20	2200CST			0	0		Hail (1.75)	
Isanti County									
1 W Cambridge	20	2230CST			0	0		Thunderstorm Wind (G52)	
Large tree felled on County Road 1.									
Douglas County									
Melby	29	1954CST			0	0		Hail (0.75)	
Douglas County									
Evansville	29	2002CST			0	0		Hail (0.75)	
<u>MINNESOTA, Northeast</u>									
Cass County									
Pillager	11	1300CST			0	0		Thunderstorm Wind (G60)	
Twelve-inch diameter pine trees were blown down, and a couple of sheds were destroyed. The wind speed is estimated.									
Aitkin County									
Aitkin	11	1340CST			0	0		Thunderstorm Wind (G55)	
Trees and power lines were blown down.									
Crow Wing County									
Brainerd	11	1640CST			0	0		Hail (1.50)	
Crow Wing County									
1 S Brainerd to 1.5 E Brainerd	13	1910CST 1920CST			0	0		Tornado (F2)	
The tornado tore roofs off houses and blew out exterior walls. Pole barns and sheds were destroyed, and windows were blown out. Thousands of trees were knocked down, and 41 head of livestock were killed. The average path width was 1/4 mile, with the widest being 1/2 mile.									
Crow Wing County									
Baxter	13	1914CST			0	0		Hail (0.75)	

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage	Property	Crops	Character of Storm
<u>MINNESOTA, Northeast</u>									
Crow Wing County									
Brainerd	13	1930CST 1935CST			0	0			Thunderstorm Wind (G87) ^M
		Large trees were blown down.							
Crow Wing County									
Cross Lake	13	1958CST			0	0			Hail (0.75)
Aitkin County									
Aitkin	13	2035CST			0	0			Thunderstorm Wind (G50)
		Trees were blown down. The wind speed is estimated.							
Aitkin County									
Sheshebee	13	2050CST			0	0			Hail (1.75)
St. Louis County									
Floodwood	13	2133CST			0	0			Hail (1.00)
Aitkin County									
Lawler	13	2140CST			0	0			Hail (0.75)
Carlton County									
Mahtowa	13	2240CST			0	0			Hail (0.75)
St. Louis County									
5 S Brimson	13	2240CST			0	0			Hail (0.75)
Pine County									
10 SW Pine City	18	0450CST			0	0			Hail (1.75)
Pine County									
Rock Creek	18	0455CST			0	0			Hail (0.75)
Pine County									
1 N Pine City	18	1858CST			0	0			Hail (1.00)
<u>MINNESOTA, Northwest</u>									
Clay County									
1 S Moorhead	08	1324CST			0	0			Hail (1.00)
Kittson County									
11 NE Lancaster	08	1455CST			0	0			Hail (0.75)
Becker County									
11 W Frazee	08	1855CST			0	0	0.50K		Thunderstorm Wind
		Large tree branches were blown down.							
Otter Tail County									
10 N Dent	08	1855CST			0	0			Hail (1.00)
Otter Tail County									
2 S Parkers Prairie	11	0130CST			0	0			Hail (1.00)
Marshall County									
7 NW Stephen	11	0435CST			0	0	0.50K		Thunderstorm Wind
		Large tree limbs were blown down.							
Wilkin County									
1 S Doran	11	0820CST			0	0			Hail (0.75)
Otter Tail County									
Fergus Falls	11	0850CST			0	0			Hail (0.88)
Otter Tail County									
Fergus Falls	11	0850CST			0	0	20K		Thunderstorm Wind (G52)
		The strong wind blew a trailer home off a semi-truck into a ditch along Interstate 94, shattering the home into pieces.							
Otter Tail County									
Fergus Falls	11	0900CST			0	0			Thunderstorm Wind (G61)
Wilkin County									
3 N Foxhome	11	0900CST			0	0			Hail (0.75)
Otter Tail County									
5 E Fergus Falls	11	0915CST			0	0			Flash Flood
		Water was reported over highway 210 east of Fergus Falls.							
Otter Tail County									
Parkers Prairie	11	0933CST			0	0			Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
MINNESOTA, Northwest							
Otter Tail County							
Battle Lake	11	0937CST			0	0	Hail (0.75)
Otter Tail County							
Parkers Prairie	11	1009CST			0	0	Hail (2.00)
The large hail broke a car's windshield in Parkers Prairie.							
Clay County							
Georgetown	11	1010CST			0	0	Hail (0.88)
Otter Tail County							
7 E Parkers Prairie	11	1025CST			0	0	Hail (0.75)
Clay County							
2 SE Comstock	11	1047CST			0	0	Hail (1.00)
Wilkin County							
3 NE Wolverton	11	1100CST			0	0	Hail (0.75)
Clay County							
7 SE Hawley	11	1105CST			0	0	0.50K Thunderstorm Wind
A tree was blown down.							
Becker County							
Frazee	11	1120CST			0	0	40K Thunderstorm Wind
Numerous trees and powerlines were blown down by the strong wind. One tree fell on a car.							
Otter Tail County							
Vergas	11	1145CST			0	0	15K Lightning
Lightning struck a church steeple in Vergas, but only caused minimal damage.							
Otter Tail County							
Pelican Rapids	11	1147CST			0	0	Hail (0.75)
Becker County							
Wolf Lake	11	1155CST			0	0	10K Thunderstorm Wind
50 trees were blown down.							
Becker County							
Wolf Lake	11	1200CST			0	0	15K Thunderstorm Wind
Strong winds damaged a mobile home and destroyed a 76x350 foot turkey barn.							
Otter Tail County							
Fergus Falls	11	1200CST			0	0	50K Flash Flood
The roof on the Lake Region Hospital in Fergus Falls could not handle the heavy rain. Water seeped into a vent in the roof and caused two ceilings to cave in. Workers managed to save the hospital's main frame computer system from water damage.							
Otter Tail County							
Pelican Rapids	11	1200CST			0	0	Flash Flood
Street flooding was reported in Pelican Rapids.							
Hubbard County							
Park Rapids Arpt	11	1209CST			0	0	Thunderstorm Wind (G57) ^M
The ASOS in Park Rapids reported a 57 knot wind gust.							
Wadena County							
Menahga	11	1215CST			0	0	15K Thunderstorm Wind
Numerous trees were blown down in Menahga, with one tree falling on a house.							
Otter Tail County							
Pelican Rapids	11	1220CST			0	0	Hail (1.00)
Wadena County							
3 SW Sebekka	11	1227CST			0	0	Hail (0.88)
Otter Tail County							
15 E Pelican Rapids	11	1230CST			0	0	Hail (0.88)
Otter Tail County							
5 W Ottertail	11	1240CST			0	0	Hail (0.75)
Otter Tail County							
2 S Parkers Prairie	11	1330CST			0	0	Hail (1.00)
Grant County							
Herman	13	1635CST			0	0	Hail (0.75)
Grant County							
8 SE Barrett	13	1640CST 1643CST			0	0	Tornado (F0)

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage	Property	Crops	Character of Storm
MINNESOTA, Northwest									
Intermittent touchdowns were reported by the sheriff's office.									
Otter Tail County									
1 W Parkers Prairie to 11 NE Parkers Prairie	13	1753CST 1815CST			0	3	5M		Tornado (F3)
The tornado caused quite a bit of damage along its path across southeast Otter Tail county before it crossed into Todd county. At one farmstead, 9 people huddled inside a house with no basement as its roof was torn off. Nobody was injured, but another trailer home nearby was completely destroyed. Many irrigation systems were overturned, trees, power poles, and lines snapped, and grain bins destroyed by the strong wind. An estimated 100 poles were broken off leaving nearly 1,100 people without power. At another farm, a 40x80 foot pole barn was wrecked. About 6 miles northeast of Parkers Prairie, a man and his two kids rode out the storm in their minivan inside a quonset. Trees all around them and the quonset were crumpled by the wind, yet they survived. Another farmstead lost a house, trailer home, and two silos. A turkey barn containing 12,000 turkeys was also hit, with an estimated 60 percent of the turkeys perishing.									
Grant County									
6 E Norcross	13	1759CST			0	0			Tornado (F0)
A brief touchdown was reported.									
Otter Tail County									
6 N Parkers Prairie	13	1800CST			0	0			Thunderstorm Wind (G70)
A 70 knot wind gust blew down several trees.									
Otter Tail County									
Parkers Prairie	13	1809CST			0	0	5K		Thunderstorm Wind
Trees were blown down in Parkers Prairie.									
Otter Tail County									
5 N Parkers Prairie	13	1810CST			0	0			Flash Flood
Water was reported over the road.									
Otter Tail County									
12 NE Parkers Prairie	13	1814CST			0	0			Hail (1.00)
Wadena County									
1 SE Verndale	13	1820CST			0	0			Hail (1.00)
Wadena County									
1 S Verndale	13	1824CST			0	0	1K		Thunderstorm Wind
Several trees were uprooted.									
Grant County									
Wendell	13	1900CST			0	0			Flash Flood
The railroad tracks were under water.									
Grant County									
Elbow Lake	13	1930CST			0	0			Flash Flood
The railroad tracks in Elbow Lake were under water from the rain.									
Grant County									
2 E Elbow Lake	13	1930CST			0	0			Flash Flood
Highway 79 was under water from the heavy rain.									
Wadena County									
Wadena	13	2000CST			0	0			Flash Flood
Many roads were flooded on the south side of Wadena, with many vehicles stranded. Several businesses also took on water from the storm.									
Otter Tail County									
14 W Dalton	16	1545CST			0	0			Tornado (F0)
A brief touchdown was reported west of Dalton.									
Wilkin County									
8 SE Wolverton	18	0050CST			0	0			Hail (0.88)
Otter Tail County									
Fergus Falls	18	0100CST			0	0	5M		Thunderstorm Wind (G61)
The strong wind knocked down trees and power lines. The city of Fergus Falls was without power for several hours. 30 to 40 homes sustained damage and many signs were knocked over.									
Otter Tail County									
Henning	18	0145CST			0	0			Hail (0.88)
Otter Tail County									
Henning	18	0155CST			0	0			Hail (1.25)
Otter Tail County									
Fergus Falls	18	0200CST			0	0	500K		Lightning

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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MINNESOTA, Northwest

Lightning struck a downtown Fergus Falls business, igniting a fire that destroyed the 3 story business.

Otter Tail County								
4 SW Wrightstown	18	0210CST			0	0		Hail (1.75)
Otter Tail County								
6 N Parkers Prairie	18	0240CST			0	0		Hail (0.75)
Otter Tail County								
4 SW Wrightstown	18	0245CST			0	0		Hail (0.75)
Norman County								
4 S Shelly	20	1515CST			0	0		Hail (0.75)
Norman County								
2 W Ada to Ada	20	1544CST 1545CST			0	0		Hail (0.75)
Clay County								
1 SE Rollag to 3 SE Rollag	20	1715CST			0	0		Hail (1.25)
Becker County								
3 W Cormorant	20	1720CST			0	0		Hail (1.00)
Becker County								
Cormorant	20	1720CST			0	0		Hail (0.88)
Becker County								
Lake Park	20	1730CST			0	0		Hail (0.75)
Otter Tail County								
6 N Pelican Rapids	20	1735CST			0	0		Hail (1.00)
Otter Tail County								
10 NE Pelican Rapids	20	1740CST			0	0		Hail (0.75)
Otter Tail County								
4 NE Dunvilla	20	1745CST			0	0		Hail (1.00)
Wilkin County								
8 E Wolverton	20	1745CST			0	0		Hail (0.88)
Otter Tail County								
Perham	20	1820CST			0	0		Thunderstorm Wind (G52)
Kittson County								
5 NE Kennedy	27	1807CST			0	0		Hail (0.88)
Otter Tail County								
5 W Amor	29	1810CST			0	0		Thunderstorm Wind (G78)
The strong wind blew shingles off a roof and threw a 8x8 foot fish house 150 yards.								
Otter Tail County								
4 NW Amor to 2 W Amor	29	1815CST 1821CST			0	0		Hail (1.00)
Otter Tail County								
7 SW Battle Lake	29	1903CST			0	0		Hail (0.88)
Grant County								
Ashby	29	1930CST			0	0		Hail (1.00)

MINNESOTA, Southeast

Mower County								
4 N Le Roy	01	1319CST			0	0	2.5K	Hail (1.75)
Fillmore County								
Ostrander	01	1325CST			0	0	2K	Hail (1.00)
Fillmore County								
Ostrander	01	1328CST			0	0		Hail (0.75)
Fillmore County								
5 W York	01	1333CST			0	0		Hail (0.75)
Fillmore County								
Canton	01	1410CST			0	0		Hail (0.88)
Hail ranging in size from dimes and nickels, up to as large as golf balls, was reported by storm spotters.								
Wabasha County								
Lake City	11	1809CST			0	0		Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
MINNESOTA, Southeast								
Wabasha County								
Oak Center	11	1811CST			0	0		Hail (0.88)
Olmsted County								
Potsdam	11	1826CST			0	0	0.75K	Hail (1.00)
Wabasha County								
Millville	11	1827CST			0	0	0.80K	Hail (1.00)
Wabasha County								
Millville	11	1834CST			0	0		Hail (0.75)
Winona County								
1 N Altura	11	1902CST			0	0		Hail (0.88)
Winona County								
Altura	11	1904CST			0	0	1.5K	Hail (1.00)
Winona County								
Stockton	11	1913CST			0	0		Hail (0.88)
Olmsted County								
2 NE Chatfield	11	1915CST			0	0	0.50K	3.5K Hail (1.25)
Winona County								
3 E Winona	11	1917CST			0	0		Hail (0.88)
Winona County								
1 S St Charles	11	1920CST			0	0		Hail (0.75)
Winona County								
Utica	11	1920CST			0	0	1.2K	Hail (1.00)
Winona County								
Lewiston	11	1926CST			0	0	2.5K	Hail (1.25)
Winona County								
Winona	11	1926CST			0	0	3K	Hail (1.00)
Winona County								
Winona	11	1927CST			0	0	6K	Hail (2.00)
Winona County								
Stockton	11	1938CST			0	0	1K	Hail (1.00)
Houston County								
La Crescent	11	2027CST			0	0	0.50K	Hail (1.00)
Numerous reports of large hail were received from spotters and law enforcement officials. Hail ranged from the size of dimes up to golf balls, although two inch diameter hail was reported by the emergency manager in the city of Winona (Winona County).								
Winona County								
Goodview	11	1930CST			0	0	5K	Lightning
Lightning struck a home, causing a fire in the attic. No one was at home when the lightning hit.								
Dodge County								
North Portion	13	0620CST 0720CST			0	0	2.5K	4K Flash Flood
Mower County								
West Portion	13	0647CST 0720CST			0	0	1K	2.5K Flash Flood
Up to 3.5 inches of rain in less than two hours caused flash flooding. Law enforcement officials reported several roads were under water north of Highway 14 in Dodge County and mudslides covered county Highway 24.								
Wabasha County								
Lake City	17	2015CST			0	0		Thunderstorm Wind (G52)
Wabasha County								
Lake City	17	2019CST			0	0		Hail (0.75)
Wabasha County								
Lake City	17	2024CST			0	0	0.75K	Hail (1.00)
Wabasha County								
Lake City	17	2024CST			0	0	1.5K	Thunderstorm Wind (G54)
Wabasha County								
Wabasha	17	2032CST			0	0	0.40K	Hail (0.75)
Winona County								
12 NW Winona	17	2055CST			0	0		Hail (0.75)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed		Estimated Damage Property	Crops	Character of Storm
<u>MINNESOTA, Southeast</u>									
Winona County									
Minnesota City	17	2110CST			0	0			Hail (0.75)
Winona County									
Winona Muni Arpt	17	2114CST			0	0	2K		Hail (0.75)
Winona County									
1 W Winona	17	2116CST			0	0			Hail (0.88)
Winona County									
1 W Winona	17	2118CST			0	0	0.70K	1.5K	Hail (1.00)
Numerous reports of hail ranging in size from dimes to quarters were received from spotters and law enforcement officials. In addition, wind gusts estimated at 60 to 65 mph were also reported.									
Dodge County									
Dodge Center	18	1820CST			0	0	1.3K		Hail (1.00)
Olmsted County									
2 NE Byron	18	1841CST			0	0		6K	Hail (1.00)
Olmsted County									
Rochester	18	1902CST			0	0	10K		Hail (1.25)
Wabasha County									
Wabasha	18	1911CST			0	0	3.5K		Hail (1.25)
Dodge County									
2 NW Mantorville	18	2012CST			0	0	0.50K		Thunderstorm Wind (G61) M
Mower County									
Lyle	18	2014CST			0	0			Funnel Cloud
Olmsted County									
3 NW Genoa	18	2021CST			0	0			Thunderstorm Wind (G52) M
Mower County									
Le Roy	18	2040CST			0	0	0.40K		Thunderstorm Wind (G53)
Olmsted County									
Byron	18	2046CST			0	0			Hail (0.75)
Dodge County									
1 N Mantorville	18	2057CST			0	0		1.5K	Hail (0.88)
Dodge County									
Kasson	18	2115CST			0	0			Hail (0.88)
Fillmore County									
Lanesboro	18	2117CST			0	0			Thunderstorm Wind (G52)
Olmsted County									
Byron	18	2120CST			0	0	0.50K		Hail (0.88)
Fillmore County									
5 W Spring Vly	18	2122CST			0	0			Funnel Cloud
Olmsted County									
2 NW Byron	18	2124CST			0	0		0.80K	Hail (0.75)
Dodge County									
Kasson	18	2130CST			0	0	0.80K	2.5K	Hail (1.00)
Olmsted County									
Oronoco	18	2132CST			0	0			Hail (0.88)
Olmsted County									
Potsdam	18	2140CST			0	0		2.5K	Hail (1.00)
Olmsted County									
Rochester	18	2141CST			0	0			Hail (0.75)
Olmsted County									
Dover	18	2149CST			0	0	1K		Thunderstorm Wind (G70) M
Olmsted County									
Dover	18	2151CST			0	0	1.5K		Hail (1.25)
Winona County									
1 N St Charles	18	2154CST			0	0	1.2K		Thunderstorm Wind (G70) M
Dodge County									
Claremont	18	2155CST			0	0			Thunderstorm Wind (G50)

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage	Property	Crops	Character of Storm
<u>MINNESOTA, Southeast</u>									
Winona County									
Altura	18	2200CST			0	0	1.5K		Thunderstorm Wind (G54)
Storm spotters reported thunderstorm winds gusting to as much as 70 to 80 mph, while there were numerous reports of hail ranging in size from pennies to half dollars. Funnel clouds were sighted by spotters near Spring Valley (Fillmore County) and Lyle (Mower County), but did not touchdown.									
<u>MINNESOTA, Southwest</u>									
Nobles County									
Adrian	05	0700CST			0	0			Lightning
Lightning struck a large tree, splitting the tree, and scattering debris up to a half block away.									
Lincoln County									
Hendricks to 5 NW Arco	10	0000CST 0015CST			0	0	100K		Thunderstorm Wind (G65)
Thunderstorm winds caused widespread tree damage, including trees four feet in diameter blown down. A barn was blown down, and the roof of another building was blown off. Power lines and poles were blown down.									
Lincoln County									
Tyler	10	0000CST			0	0			Hail (0.75)
Pipestone County									
Pipestone	10	0000CST			0	0			Thunderstorm Wind (G52)
Lyon County									
Minneota	10	0003CST			0	0			Thunderstorm Wind (G52)
Thunderstorm winds blew down power lines and moved cars.									
Lyon County									
(Mml)Ryan Fld Marsha	10	0015CST			0	0			Thunderstorm Wind (G62) M
Lyon County									
Marshall	10	0022CST			0	0			Thunderstorm Wind (G61)
Thunderstorm winds blew down light poles.									
Lyon County									
5 W Cottonwood	10	0023CST			0	0			Tornado (F0)
A brief tornado caused no reported damage.									
Lyon County									
Tracy	10	0035CST			0	0	10K		Thunderstorm Wind (G61)
Thunderstorm winds destroyed a store front.									
Rock County									
1 W Luverne	10	0010CST			0	0	10K		Thunderstorm Wind (G61)
Thunderstorm winds blew a large tree onto a small building, destroying the building.									
Murray County									
Slayton	10	0020CST			0	0			Thunderstorm Wind (G52)
Murray County									
Lake Wilson	10	0030CST			0	0			Thunderstorm Wind (G52)
Cottonwood County									
3 W Windom	10	0043CST			0	0			Thunderstorm Wind (G52)
Jackson County									
Heron Lake	10	0045CST			0	0			Thunderstorm Wind (G61)
Nobles County									
Rushmore	12	1533CST			0	0			Hail (1.00)
Rock County									
1 N Luverne	12	1605CST			0	0			Hail (1.00)
Nobles County									
5 W Ellsworth	12	1753CST 1853CST			0	0			Hail (0.75)
Nobles County									
Ellsworth	12	1800CST			0	0			Thunderstorm Wind (G61)
Thunderstorm winds blew down numerous trees.									
Murray County									
2 E Slayton	12	1815CST			0	0	30K		Thunderstorm Wind (G61)
Thunderstorm winds destroyed a granary building.									
Rock County									
5 NW Hills	12	1900CST			0	0			Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
MINNESOTA, Southwest							
Rock County							
5 NW Hills	12	1900CST			0	0 10K	Thunderstorm Wind (G69)
							Thunderstorm winds caused tree damage, including a large tree blown down.
Rock County							
2 SW Beaver Creek	12	1905CST			0	0	Hail (1.75)
							Large hail caused considerable damage to crops. Some soybean crops were destroyed. Corn crops affected were expected to recover, according to the county extension agent, because the crops were young, with the growing point still below the ground and able to produce new stalks. Therefore, the amount of crop damage was not known.
Rock County							
1 E Steen	12	1930CST			0	0	Hail (1.00)
Nobles County							
Worthington	12	2000CST			0	0	Thunderstorm Wind (G52)
Nobles County							
Ellsworth	12	2020CST			0	0	Hail (1.00)
Nobles County							
4 S Ellsworth to 5 S Ellsworth	12	2020CST			0	0 100K	Thunderstorm Wind (G69)
							Thunderstorm winds caused severe damage to at least two farms. Barns at both farms were completely destroyed, as were two vehicles in one of the barns. There was also damage to houses, equipment, and trees on the farms.
Nobles County							
Bigelow	12	2040CST			0	0	Thunderstorm Wind (G52)
							Thunderstorm winds blew a semi truck off a highway.
Jackson County							
5 S Spafford to Petersburg	12	2020CST 2100CST			0	0 2M	Hail (1.75)
							Large hail damaged or destroyed 50 thousand to 60 thousand acres of crops, mostly corn and soybean, in southern Jackson County.
Jackson County							
10 SW Jackson	12	2023CST			0	0	Hail (1.00)
Nobles County							
Worthington	12 13	2100CST 0200CST			0 0	0	Flash Flood
							Flash flooding resulting from very heavy rain flooded streets, small streams, culverts, and other low places. Some flooding of basements also occurred.
Rock County							
Kanaranzi	12 13	2100CST 0200CST			0 0	0	Flash Flood
							Heavy thunderstorm rains caused flash flooding of the Kanaranzi River, small streams, roads, and other low areas. Some roads were closed by the flooding.
Nobles County							
2 E Bigelow	12	2105CST			0	0	Tornado (F0)
							A brief tornado caused no reported damage or injuries.
Jackson County							
4 S Spafford	12	2135CST			0	0	Hail (1.00)
Jackson County							
Lakefield	12	2210CST			0	0	Thunderstorm Wind (G52)
							Thunderstorm winds caused tree damage.
Rock County							
2 SW Beaver Creek	12	2300CST			0	0	Hail (1.00)
Rock County							
4 SW Jasper	13	0000CST			0	0	Thunderstorm Wind (G61)
							Thunderstorm winds caused tree damage, including several trees blown down.
Pipestone County							
1 SW Cazenovia	13	0010CST			0	0	Thunderstorm Wind (G52)
							Thunderstorm winds caused tree damage, including some trees blown down.
Murray County							
6 SW Chandler	13	0027CST			0	0	Hail (0.75)
Murray County							
Slayton	13	0030CST			0	0 2K	Lightning
							Lightning struck a house, causing damage to the side of the house and burning off cable television wires.

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>MINNESOTA, Southwest</u>									
Lincoln County									
1 W Ivanhoe	13	0704CST			0	0		Hail (0.75)	
Lyon County									
5 W Minneota	13	0730CST			0	0		Hail (0.75)	
Lincoln County									
5 NW Lake Benton	13	1804CST			0	0		Hail (0.75)	
Lincoln County									
4 SW Lake Benton	13	1812CST			0	0		Tornado (F0)	
A brief tornado caused no reported damage or injuries.									
Lincoln County									
1 W Tyler	13	1812CST			0	0		Tornado (F0)	
A brief tornado caused no reported damage or injuries.									
Lincoln County									
Verdi	13	1818CST			0	0		Hail (1.00)	
Lincoln County									
Verdi	13	1818CST			0	0	50K	Tornado (F1)	
A tornado was observed with a dust and debris cloud. The tornado destroyed several outbuildings and a cattle shed, severely damaged a hog barn and granary, and tipped two wagons over.									
Lincoln County									
1 E Ivanhoe	13	1839CST			0	0		Hail (1.00)	
Lincoln County									
5 NE Ivanhoe	13	1850CST			0	0		Hail (0.88)	
Lyon County									
5 W Minneota	13	1900CST			0	0		Hail (0.75)	
Pipestone County									
2 N Holland	13	1920CST			0	0		Hail (0.75)	
Lincoln County									
3 SW Tyler	13	1920CST			0	0		Tornado (F0)	
A brief tornado caused no reported damage or injuries.									
Lincoln County									
8 W Lake Benton to 7 W Lake Benton	13	1946CST 1950CST			0	0	2K	Tornado (F1)	
A tornado which formed just west of the state line crossed into Minnesota and immediately destroyed two outbuildings on a farm near highway 14. Debris from the outbuildings was stretched over one and a half miles.									
Lyon County									
6 W Russell	13	1948CST			0	0		Hail (0.75)	
Nobles County									
Worthington	13	2002CST			0	0		Thunderstorm Wind (G61)	
Nobles County									
Worthington	13	2010CST			0	0		Thunderstorm Wind (G61)	
Thunderstorm winds caused tree damage.									
Nobles County									
2 S Worthington	13	2100CST 2110CST			0	0		Thunderstorm Wind (G69)	
Thunderstorm winds tore the roof and most of the outside walls off a 40 by 108 foot feeder pig barn.									
Murray County									
Fulda	13	2020CST			0	0	10K	Thunderstorm Wind (G57)	
Thunderstorm winds blew down trees and broke windows.									
Murray County									
1 W Fulda	13	2025CST			0	0	30K	Thunderstorm Wind (G74)	
Thunderstorm winds lifted an anchored metal building and rolled it into a house.									
Cottonwood County									
16 W Windom	13	2020CST			0	0		Thunderstorm Wind (G61)	
Thunderstorm winds caused tree damage, including a large tree uprooted, and 12 inch diameter limbs blown down.									
Cottonwood County									
Windom	13	2030CST			0	0	500K	Thunderstorm Wind (G69)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
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MINNESOTA, Southwest

Thunderstorm winds blew the roof and wall of a large lumber yard building onto a nearby bowling alley. Widespread tree damage included large trees blown down, about a dozen of which fell onto houses and caused further damage. The winds caused roof damage to other structures and blew down power lines.

Cottonwood County

Windom Muni Arpt 13 2039CST 0 0 **Thunderstorm Wind (G56)** ^M

Cottonwood County

Windom 13 2100CST 0 0 **Thunderstorm Wind (G52)**

Jackson County

7 N Lakefield 13 2025CST 0 0 **20K** **Thunderstorm Wind (G61)**

Thunderstorm winds destroyed a barn and garage on a farm.

Jackson County

5 NW Jackson 13 2026CST 0 0 **Thunderstorm Wind (G65)**

Jackson County

Bergen 13 2050CST 0 0 **Thunderstorm Wind (G61)**

Thunderstorm winds caused tree damage, including several large trees blown down.

Rock County

4 SW Jasper 13 2040CST 0 0 **Hail (1.00)**

Pipestone County

5 W Pipestone 13 2105CST 0 0 **Hail (1.00)**

Lincoln County

4 S Ivanhoe 18 0440CST 0 0 **Hail (1.00)**

Lincoln County

Arco 18 0443CST 0 0 **Hail (0.75)**

Lyon County

12 W Marshall 18 0451CST 0 0 **Hail (0.75)**

MINNESOTA, West

NONE REPORTED.

MINNESOTA, West Central

Big Stone County

3 E Odessa 13 1712CST 0 0 **Tornado (F0)**
1717CST

A tornado touched down east of Odessa and traveled through an open field causing no damage. Path length and width were estimated.

Big Stone County

Ortonville 13 1725CST 0 0 **Hail (0.75)**

MISSISSIPPI, Central

Holmes County

3 W Thornton 02 1300CST 0 0 **5K** **Hail (1.00)**

Lots of quarter size hail fell in a mostly rural area causing minor damage to the roofs of a few cars and buildings.

Madison County

Camden 02 1600CST 0 0 **15K** **Hail (1.75)**

Hail of up to golfball size caused damage to cars and building roofs in the vicinity of Camden.

Noxubee County

9 W Macon 02 1618CST 0 0 **Hail (0.75)**

Noxubee County

Shuqualak 02 1635CST 0 0 **Hail (0.88)**

Madison County

15 NW Camden 02 1710CST 0 0 **Hail (0.75)**

Clay County

Cedarbluff 02 1745CST 0 0 **Hail (0.88)**

Covington County

2 S Seminary 04 1216CST 0 0 **1K** **Thunderstorm Wind**

A few trees were blown down onto Highway 49.

Warren County

Vicksburg 04 1230CST 0 0 **55K** **Thunderstorm Wind**

Many trees and power lines were blown down in the city of Vicksburg. The worst damage occurred when two large trees fell onto a house and flattened much of the house.

Storm Data and Unusual Weather Phenomena

June 2001

								June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm	
MISSISSIPPI, Central								
Rankin County								
Brandon	04	1235CST			0	0	Hail (1.00)	
The roofs of several cars and buildings sustained minor damage from quarter size hail.								
Copiah County								
Crystal Spgs	04	1240CST			0	0	1K	
A few trees were blown down along Sumrall Road.								
Hinds County								
Terry to Jackson	04	1300CST 1310CST			0	0	15K	
A number of trees and large limbs were blown down from Terry to Jackson, including several large limbs at the governor's mansion in Jackson. The roof of a business on Robinson Road in Jackson sustained significant damage from the wind.								
Madison County								
Ridgeland	04	1310CST 1315CST			0	0	12K	
A large billboard was blown down onto a restaurant on County Line Road. Many large limbs and a few trees and power lines were blown down in portions of Ridgeland and Madison.								
Clarke County								
Countywide	04	1330CST			0	0	1K	
Several trees were blown down in various portions of the county.								
Lauderdale County								
Countywide	04	1340CST 1400CST			0	0	12K	
Several large limbs and a few trees were blown down, mainly in eastern and southern portions of the county. One large tree fell on a house and caused significant damage to the house.								
Lauderdale County								
1 W Meehan	04	1340CST			0	0	Hail (0.75)	
Newton County								
1 E Chunky	04	1400CST			0	0	1K	
Several trees and large limbs were blown down along Highway 80 near the Lauderdale County border.								
Attala County								
3 E Possumneck	04	1415CST			0	0	1K	
Several trees were blown down.								
Leake County								
Countywide	04	1415CST 1420CST			0	0	10K	
Numerous trees were blown down around the county. The greatest damage occurred in the Carthage area. There were also many trees and downed power lines along Highway 43 near Thomastown. One home in Carthage sustained minor roof damage when a large oak tree blew over and the upper limbs of the tree fell onto the roof.								
Lincoln County								
Brookhaven	04	1430CST			0	0	Hail (0.75)	
Lincoln County								
Brookhaven	04	1430CST			0	0	2K	
Several trees and large limbs were blown down.								
Holmes County								
2 E Lexington	04	1445CST			0	0	1K	
Several trees were blown down along Highway 12.								
Montgomery County								
Winona	04	1455CST			0	0	12K	
Several trees and power lines were blown down. One tree fell on a house and caused damage. Another tree damaged a car.								
Carroll County								
Vaiden	04	1500CST			0	0	1K	
A few trees and large limbs were blown down along county roads in the Vaiden area.								
Winston County								
7 W Louisville	04	1500CST			0	0	1K	
A few trees were blown down.								
Lamar County								
Oak Grove	04	1600CST 1610CST			0	0	18K	
A mobile home sustained significant damage when it was blown over. Several trees were blown down.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
MISSISSIPPI, Central							
Lamar County							
Countywide	04	1705CST 1725CST			0 0	2K	Thunderstorm Wind
							Several trees were blown down.
Marion County							
Columbia	04	1720CST			0 0	8K	Thunderstorm Wind
							Several trees and power lines were blown down in and around Columbia. An unoccupied parked car sustained damage when a light pole was snapped by the wind and landed on the car.
Rankin County							
Brandon	05	1300CST			0 0	30K	Lightning
							Lightning struck the 100 year old steeple of a church and destroyed it.
Leflore County							
Greenwood	05	1702CST			1 0	25K	Thunderstorm Wind
							Several trees were blown down around town. One large tree blew down onto a van at an intersection. The front of the van was crushed, and the driver was killed. M41VE
Attala County							
1 N Kosciusko	05	1703CST			0 0	12K	Hail (1.75)
							Hail of up to golfball size damaged the roofs of a few buildings and cars just north of Kosciusko.
Montgomery County							
Countywide	05	1725CST			0 0	16K	Thunderstorm Wind
							Several trees were blown down in various portions of the county. Several trees fell on the roofs of homes and caused damage. A few roads were blocked by fallen trees.
Lamar County							
Baxterville	06	0830CST			0 0	20K	Thunderstorm Wind
							A mobile home was blown over and several trees were blown down.
Marion County							
Countywide	06	1400CST 1700CST			0 0	5K	Flash Flood
							Over three inches of rain fell on saturated ground in much of the county. Many roads were flooded for a number of hours.
Lamar County							
Countywide	06	1430CST 1630CST			0 0		Flash Flood
							Several streets and roads were covered with water for several hours.
Franklin County							
3 NW Roxie to 3.5 NNW Roxie	07	0956CST 0958CST			0 0	0	Tornado (F0)
							A spotter reported seeing a small tornado about 3.5 miles northwest of Roxie. The tornado was on the ground for less than half of a mile in open country and caused no damage.
Marion County							
North Portion	08	1800CST 1900CST			0 0		Flash Flood
							Several roads became covered with water and were temporarily impassable in northern portions of the county.
Jones County							
Countywide	10	1330CST 1530CST			0 0	20K	Flash Flood
							Portions of the county experienced flash flooding as three inches of rain fell in just 1.5 hours over saturated ground. Several homes in the Laurel area were flooded when nearby creeks overflowed.
Forrest County							
Countywide	11	0455CST 0530CST			0 0	18K	Thunderstorm Wind
							Many trees were blown down in both the Hattiesburg area and in Brooklyn. At least four houses sustained damage from fallen trees.
Forrest County							
Countywide	11	0520CST 0730CST			0 0		Flash Flood
							Heavy rain over saturated ground caused flooding of several roads.
Lamar County							
Countywide	11	0530CST 0800CST			0 0	15K	Flash Flood
							Several homes were flooded. A number of roads were flooded and several were washed out.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
MISSISSIPPI, Central							
Lamar County							
Countywide	11	0530CST 0545CST			0 0	40K	Thunderstorm Wind
A number of trees were blown down, mainly in central and southwestern portions of the county. One house in the central part of the county sustained significant damage when a tree fell on it. A mobile home in the southwestern part of the county sustained damage from a fallen tree.							
Lamar County							
Baxterville	11	0730CST			0 0	20K	Tstm Wind/Hail
A mobile home was nearly destroyed when wind lifted up the roof and blew it off. Emergency management official believes roof was damaged in a previous storm earlier in the morning, then "finished off" by sustained winds of around 40 mph. (No trees were damaged around the mobile home.)							
Forrest County							
Countywide	11	0825CST 1000CST			0 0	6K	Flash Flood
Continued heavy rain over saturated ground caused continued flooding of roads in portions of the county. At least four roads had to be temporarily closed due to the flooding.							
Lamar County							
Countywide	11	0830CST 1000CST			0 0	35K	Flash Flood
Several additional homes were flooded. A total of about 15 roads were washed out in the county.							
Forrest County							
Petal	12	2245CST 2355CST			0 0	25K	Flash Flood
A narrow band of persistent and intense rainfall caused flooding in the city of Petal. Water entered several homes, and numerous streets were flooded.							
Lamar County							
Sumrall	12 13	2255CST 0030CST			0 0	25K	Flash Flood
A narrow band of persistent, intense rainfall caused streets to be flooded in Sumrall, including Main Street and Highway 44. Water entered City Hall. Water also entered about five businesses downtown and at least three homes were flooded.							
Lamar County							
Sumrall	12	2255CST			0 0	12K	Hail (1.75)
A brief period of golfball size hail caused minor damage to roofs of buildings and cars.							
Lamar County							
Baxterville	13	1440CST			0 0		Hail (0.75)
Covington County							
.5 N Hot Coffee	13	1510CST			0 0	1K	Thunderstorm Wind
Several trees were blown down.							
Forrest County							
Hattiesburg to 5 NW Hattiesburg	13	1530CST 1535CST			0 0	20K	Thunderstorm Wind
A number of trees were blown down from northwestern sections of Hattiesburg (Rawls Springs area) to about 5 miles northwest of Hattiesburg near the Covington County line.							
Jones County							
10 S Laurel to 9.5 SSE Laurel	13	1550CST 1552CST			0 0		Tornado (F0)
The pilot of a small plane reported seeing a tornado for a brief period of time about 10 miles south of Laurel. There were no reports of damage from this short lived tornado.							
Warren County							
Vicksburg	13	1615CST 1630CST			0 0	5K	Thunderstorm Wind
Several trees and power lines were blown down in and around the Vicksburg area.							
Marion County							
7 SW Columbia	19	1440CST 1445CST			0 0	1K	Thunderstorm Wind
Several trees, including one very large tree were blown down in rural southwestern portions of the county.							
Rankin County							
Brandon	21	1141CST			0 0		Hail (0.75)
Simpson County							
5 NW Mendenhall	21	1310CST			0 0	1K	Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
MISSISSIPPI, Central									
A few trees were blown down in a rural area.									
Smith County									
Raleigh	21	1310CST			0	0		Hail (0.75)	
Smith County									
5 E Raleigh	21	1320CST			0	0	1K	Thunderstorm Wind	
Several trees were blown down in a rural area.									
Jasper County									
Louin to Bay Spgs	21	1340CST 1345CST			0	0	4K	Thunderstorm Wind	
Many trees were blown down in and between Louin and Bay Springs, mainly along Highway 15.									
Neshoba County									
Philadelphia	21	1345CST			0	0		Hail (0.75)	
Neshoba County									
7 SSW Philadelphia	21	1345CST			0	0	1K	Thunderstorm Wind	
A few trees were blown down in a rural area.									
Issaquena County									
4 W Valley Park	21	1725CST			0	0	1K	Thunderstorm Wind	
Several large trees limbs were blown down.									
Oktibbeha County									
5 SSW Starkville	27	0445CST 0500CST			0	0	8K	Hail (1.00)	
Hail up to quarter size caused minor roof damage.									
Oktibbeha County									
5 SSW Starkville	27	0445CST 0500CST			0	0	2K	Thunderstorm Wind	
Several trees were blown down.									
Lowndes County									
Columbus	27	0700CST 0730CST			0	0		Flash Flood	
A few streets were temporarily flooded, and water came very close to entering homes in the 7th Avenue area of Columbus.									
Grenada County									
Hardy	27	0945CST			0	0	1K	Thunderstorm Wind	
A few trees were blown down along Route 7 near Hardy.									
Washington County									
Leland to Arcola	27	1202CST 1205CST			0	0		Hail (0.88)	
Jones County									
8 E Laurel	27	1225CST			0	0	1K	Thunderstorm Wind	
A few trees and large limbs were blown down in rural eastern portions of the county.									
Washington County									
Leland	27	1235CST			0	0	8K	Hail (1.00)	
Hail of up to quarter size caused minor damage to the roofs of a few cars and buildings.									
Washington County									
Greenville	27	1250CST			0	0	8K	Thunderstorm Wind	
A carport sustained wind damage in Greenville.									
Scott County									
4 SW Morton	27	1318CST			0	0		Hail (0.75)	
Rankin County									
8 S Pelahatchie	27	1320CST			0	0	8K	Hail (1.00)	
Hail of up to quarter size caused damage to a few roofs in a rural area.									
Rankin County									
4 S Pelahatchie	27	1320CST			0	0	2K	Thunderstorm Wind	
Several trees were blown down in the Walters community in Brandon.									
Rankin County									
Brandon	27	1400CST 1605CST			0	0	25K	Flash Flood	
Serious flooding occurred in the Winchase subdivision of Brandon. Ditches and creeks were spilling over onto roads. Water entered at least four homes.									

Storm Data and Unusual Weather Phenomena

June 2001

								June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm	
<u>MISSISSIPPI, Central</u>								
Sharkey County								
Rolling Fork	27	1415CST			0	0	2K	Thunderstorm Wind
Several large limbs and power lines were blown down.								
Rankin County								
7 W Puckett	27	1615CST			0	0	1K	Thunderstorm Wind
A few trees were blown down across a road.								
Lawrence County								
Monticello	27	1820CST			0	0	1K	Thunderstorm Wind
A few trees were blown down.								
Lincoln County								
Countywide	30	1615CST			0	0	1K	Thunderstorm Wind
A few trees were blown down in portions of the county.								
Rankin County								
Florence	30	1649CST			0	0		Hail (0.75)
Rankin County								
Flowood	30	1710CST			0	0	1K	Thunderstorm Wind
A few large trees were blown down near the south end of the reservoir.								
<u>MISSISSIPPI, North</u>								
Panola County								
Tocowa	04	1520CST 1525CST			0	0	0.01K	Hail (0.75)
Panola County								
3 SW Batesville to 1 NW Eureka Spgs	04	1533CST 1540CST			0	0	10K	Thunderstorm Wind
Several trees were blown down.								
Panola County								
5 NW Sardis	04	1550CST 1555CST			0	0	5K	Thunderstorm Wind
Some trees were knocked down.								
Lee County								
Nettleton to Tupelo	04	1620CST 1630CST			0	0	30K	Thunderstorm Wind
Several homes had shingles blown off of their roofs near Nettleton. A Goodyear store in downtown Tupelo had its windows blown out. Several trees were knocked down.								
Marshall County								
Red Banks	04	1645CST 1650CST			0	0	5K	Thunderstorm Wind
A few trees were blown down.								
Tallahatchie County								
Charleston	13	1400CST 1405CST			0	0	5K	Thunderstorm Wind
A couple of large trees were knocked down.								
Monroe County								
Aberdeen	22	0100CST 0105CST			0	0	5K	Thunderstorm Wind
A barn had its roof blown off. A couple of trees were knocked down.								
Lee County								
Saltillo	26	1840CST 1845CST			0	0	0.01K	Hail (0.75)
<u>MISSISSIPPI, South</u>								
Pearl River County								
12 SW Poplarville	04	1653CST			0	0		Funnel Cloud
Pearl River County								
Cybur	04	1655CST			0	0		Funnel Cloud
Pearl River County								
Picayune	04	1834CST			0	0		Funnel Cloud
Sheriffs Office personnel sighted funnel clouds in several locations, some extending to near the tree top level. No damage was reported.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
MISSISSIPPI, South								
Jackson County								
Ocean Spgs	07	1700CST			0	0	60K	Lightning
Harrison County								
Gulfport	07	1715CST			1	0		Lightning
	F25OU							
Harrison County								
Pass Christian	07	1721CST			0	1		Lightning
A lightning strike killed a 25 year old women in Gulfport shortly after lightning injured a 53 year old man in the nearby community of Pass Christian. Lightning also started a fire at a business in Oceans Springs which resulted in \$60,000 damage.								
Hancock County								
2 NE Ansley	11	0035CST			0	0	25K	Thunderstorm Wind
A mobile home was overturned and trees were blown down.								
Jackson County								
Countywide	11	0115CST 0130CST			0	0	10K	Thunderstorm Wind
Trees were blown down in several locations.								
Pearl River County								
Countywide	11	0200CST 0800CST			0	0		Urban/Sml Stream Fld
Jackson County								
Countywide	11	0235CST 0900CST			0	0	150K	Flash Flood
Hancock County								
Countywide	11	0300CST 0800CST			0	0		Urban/Sml Stream Fld
Pearl River County								
2 N Picayune	11	0315CST			0	0	20K	Thunderstorm Wind
A roof was blown off of a house.								
Hancock County								
1.8 E Kiln to 2 NE Kiln	11	0325CST 0330CST			0	0	50K	Tornado (F1)
A tornado touched down on intermittent patch in rural Hancock County. Several houses suffered minor damage, several large trees were blown down as well as large tree branches. A barn was also damaged.								
Harrison County								
2 N Pass Christian	11	0325CST			0	0	5K	Thunderstorm Wind
Wind damage to trees reported.								
Hancock County								
Waveland	11	0328CST			0	0	15K	Thunderstorm Wind
Several trees were blown down and a mobile home overturned.								
Jackson County								
Countywide	11	0400CST 0430CST			0	0	25K	Thunderstorm Wind
Thirteen roads in the county were blocked by fallen trees.								
Pearl River County								
Poplarville	11	0400CST			0	0	5K	Thunderstorm Wind
Harrison County								
Countywide	11	0420CST 0900CST			0	0	750K	Flash Flood
Harrison County								
Gulfport	11	0425CST			0	0	100K	Tornado (F1)
A tornado touched down for a short distance and caused roof and siding damage to 10 houses.								
Pearl River County								
2 S Poplarville	11	0425CST			0	0	15K	Thunderstorm Wind
A barn was damaged and several cars damaged.								
Harrison County								
Wool Market	11	0430CST			0	0	1K	Thunderstorm Wind
A tree was blown down.								
Jackson County								
Pascagoula	11	0455CST			0	0		Thunderstorm Wind (G52) M

Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage	Property	Crops	Character of Storm
MISSISSIPPI, South									
Jackson County									
3 N Hurley	11	0535CST			0	0	5K		Tornado (F0)
A weak tornado snapped off tree tops. The remnants of Tropical Storm Allison moved over southeast Louisiana and south Mississippi during the night of June 10/11th and intensified. Some thunderstorms reached severe levels and produced damaging winds and short lived, weak tornadoes. Heavy rainfall also accompanied the storms with 5 to 10 inches of rainfall reported overnight. Flash flooding developed in several areas of poor drainage in Harrison and Jackson Counties with roadways, and some structures flooded. An area in Gulfport near Brickyard Bayou was reported to have been hard hit with a large number of houses flooded. Flash flooding was also reported near Bluff Creek near Vancleave. Heavy rainfall caused flooding of streets and roadways in Hancock and Pearl River Counties.									
Amite County									
Crosby	22	1400CST			0	0	5K		Thunderstorm Wind
Thunderstorm wind gusts blew over several trees and blew the front porch off of a house.									
MISSISSIPPI, Southeast									
George County									
3 SW Lucedale to 1 NW Lucedale	11	0545CST 0600CST			0	5	250K		Thunderstorm Wind (G85)
A cluster of severe thunderstorms spawned from the remains of Tropical Storm Allison moved across central George county during the early morning hours. The high winds from the storms did the most damage from the Twin Creeks area north across Inland Beach road to near US Highway 98 just northwest of Lucedale. The damage was all facing to the west as the storms were moving around the eastern periphery of Allison. It was estimated that about twenty-five homes in these areas suffered some form of damage with at least ten manufactured homes damaged so bad they were deemed destroyed. The high winds covered a large area with several trees and power lines also blown down. The roof was taken off one two story home. Five people suffered minor injuries during the storm.									
George County									
3 E Movella to Shipman	11	0600CST 0615CST			0	2	150K		Tornado (F1)
A severe thunderstorm produced an F1 tornado in the southeast part of the county, first touching down near the Howell community about 3 miles east of Movella. The tornado first touched down just inside the George county line near Red Edwards Lane and Howell Road and moved north from there. Initially the tornado just produced tree damage, with some minor roof damage to a couple of homes. As the tornado moved north, it crossed Griffin Lane and totally destroyed a newer model manufactured home. The mobile home tie downs were pulled out of the ground and the home turned over and was torn apart as it rolled. The female occupant of the home was in the house at the time the tornado struck, and was injured, suffering a broken collarbone. The tornado then crossed Appaloosa Road and caused major damage to a two story home. The family that lived at the home was upstairs when the tornado struck. They saw the tornado approaching and took shelter downstairs. They were not injured, but part of the roof of the house was ripped off, and the upstairs room that they were previously in was heavily damaged. The occupants said the tornado made very little noise as it approached. The tornado continued moving through a wooded area, crossing State Highway 612 just west of Walt Tanner Road. Here trees were blown down and a home received roof damage. The tornado continued moving north and destroyed four manufactured homes and blew down several trees near Sandy Hill Drive. The tornado then moved across a forested area and then did considerable damage along Lucas Road. Several homes were damaged and numerous trees were blown down in this area. The tornado then crossed U. S. Highway 98 and went back into the clouds near Moody Road. Damage to this area was mostly to trees.									
Wayne County									
Waynesboro	11	1030CST			0	2			Lightning
Two men working on Nabors Drilling Rig were injured when lightning struck the "grasshopper". They were both knocked to the ground by the strike. They were taken to the hospital, examined and released.									
MISSOURI, East									
Boone County									
Harrisburg	01	1858CST			0	0			Thunderstorm Wind (G50)
Thunderstorm wind gusts downed some trees and damaged some outbuildings.									
Shelby County									
Clarence	04	0200CST			0	0	50K		Lightning
A lightning strike is believed to have been the cause of a fire that destroyed the building of an antique business in Clarence.									
MOZ061-063>065									
St. Charles - St. Louis - St. Louis (C) - Jefferson									
	04	0500CST			0	0			Flood
	16	1800CST							
Fed primarily by water from a flooding Missouri River, the Mississippi River from its confluence with the Missouri south to Chester, Il also flooded. On average, the river crested about 6 feet over flood stage at most locations. Many roads along the river were flooded as was farmland on the inside of levees. All levees along the river held and none were overtopped. Parts of the floodgate along the river in St. Louis were closed, primarily as a precaution and to keep people out of the flooded riverfront streets.									
MOZ041-047>051-059>063									
Boone - Moniteau - Cole - Osage - Callaway - Montgomery - Gasconade - Warren - St. Charles - Franklin - St. Louis									
	04	0700CST			0	0			Flood
	13	0800CST							

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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MISSOURI, East

The Mississippi River flooded in May, and in June the Missouri River took over. Heavy rain across the Missouri River Basin sent the river over its banks to heights in some places not seen since the flooding in 1995. Despite the high river levels, damages were minimal compared to what they could have been. This is because many homes and businesses were relocated out of the flood plain after the devastating flooding of the early and mid 90s. The bulk of the flooding this time occurred in newly established wetlands or in farmhands on the river side of levees. Some towns, however were affected.

In the river towns of McBaine, Lupus and Easley of central Missouri, most residents took the high water in stride. Roads heading into town flooded causing residents to use boats to get to homes. A few homes had water up to 6 feet in their basements, but many stayed dry because they had been elevated after prior floods. At other points along the river, including Osage City, Portland, Gasconade, Washington, Matson and St. Charles, the story was pretty much the same. Parks along the river were flooded, as were the roads along the river, including Route 94 which runs along the river from Jefferson City to St. Charles. In Jefferson City, the river managed to stay just below the top of the levees., which were built to hold back water from 30 to 31 feet. The river crested at 30.1 feet. Nevertheless, the Jefferson City Airport was evacuated and 4 parking lots in the Capitol Complex were flooded. Over 1300 acres of the Katy Trail State Park also flooded in the central Missouri area.

Boone County

Columbia

04 0950CST

0 0

Hail (0.88)

Storm spotters reported nickel size hail at the University of Missouri Campus.

St. Louis County

Chesterfield

04 1050CST

0 0

Thunderstorm Wind (G50)

Thunderstorm wind gusts downed a tree which fell on a 7000 volt electric line.

Boone County

Countywide

**06 0730CST
1300CST**

0 0

Urban/Sml Stream Fld

Moniteau County

Countywide

**06 0730CST
1300CST**

0 0

Urban/Sml Stream Fld

Rainfall of 1 to 3 inches caused some localized flooding in Boone and northern Moniteau Counties. Highway 179 in the Sandy Hook area in north Moniteau County had to be closed due to 5 feet of water. In Boone County, a few county roads and streets in Columbia flooded for short times.

Knox County

5 S Edina

14 1540CST

0 0

Thunderstorm Wind (G53)

Storm spotters reported trees down blocking Highway 15 south of Edina.

Lewis County

La Belle

14 1600CST

0 0

Thunderstorm Wind (G53)

Thunderstorm wind gusts caused scattered damage across La Belle. Some trees and power lines were downed and a window at the La Belle Fire Station was blown out..

Lewis County

Maywood

14 1610CST

0 0

Thunderstorm Wind (G55)

Local law enforcement reported trees down in Maywood.

Lewis County

Canton

14 1620CST

0 0

Thunderstorm Wind (G53)

Thunderstorm wind gusts caused scattered damage across Canton. Some trees and power lines were downed. Some large limbs were broken which fell on a few homes.

St. Louis County

Chesterfield

**14 2030CST
2230CST**

0 0

Urban/Sml Stream Fld

Heavy rain caused some localized flooding in Chesterfield. Interstate 64 had to be closed for a while due to high water.

St. Louis County

Oakville

14 2045CST

0 0

Thunderstorm Wind (G52)

St. Louis County

Fenton

14 2100CST

0 0

Thunderstorm Wind (G52)

Thunderstorm wind gusts downed trees and power lines, primarily across south and southwest St. Louis County. The major electric utility in the area reported nearly 46,000 customers without power due to downed lines and lightning strikes.

St. Louis (C)

Carondelet

14 2110CST

0 1

Thunderstorm Wind (G50)

Storm spotters reported a few trees down in the south part of the City of St. Louis. At Penrod and Jamieson avenues in southwest St. Louis, a tree limb fell on a sport utility vehicle, causing minor injuries to the driver.

MOZ064

St. Louis (C)

18 1500CST

1 0

Excessive Heat

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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MISSOURI, East

An 88 year old woman was found dead in her home, the apparent cause of death heat exhaustion. Two window fans and an air conditioning unit were not being used. A thermometer in the house registered 106 degrees.
F88PH

Franklin County

Beaufort **19** **1837CST** **0** **0** **Hail (0.75)**

A storm spotter reported 3/4 inch hail in Beaufort.

St. Louis County

Grantwood **20** **1500CST** **0** **0** **Urban/Sml Stream Fld**

Heavy rain caused some localized flooding in the Grant's Farm area. Gravois Creek flooded causing a couple of roads to be closed.

Ste. Genevieve County

2 NW Bloomsdale **20** **1557CST** **0** **0** **Hail (1.75)**

Ste. Genevieve County

Bloomsdale **20** **1605CST** **0** **0** **Hail (0.88)**

The County Sheriff Department reported nickel to golf ball size hail in the Bloomsdale area.

Ste. Genevieve County

2 S Ste Genevieve to Ste Genevieve **20** **1630CST** **0** **0** **Lightning**

Ste. Genevieve County

Ste Genevieve **20** **1630CST** **0** **0** **Thunderstorm Wind (G50)**

Thunderstorm wind gusts downed trees and power lines in the Ste. Genevieve area. A lightning strike hit a major circuit south of Ste. Genevieve along Route M knocking out power to more than 7000 customers in the north half of the County. The power was out for about 2 hours. Lightning strikes also knocked out computers at Ste. Genevieve City Hall and the city water plant.

Jefferson County

House Spgs **20** **1635CST** **0** **0** **Hail (0.75)**

Storm spotters reported 3/4 inch hail in House Springs.

Jefferson County

De Soto **29** **1450CST** **0** **0** **Hail (0.75)**

The De Soto Police reported 3/4 inch hail.

MISSOURI, Lower

NONE REPORTED.

MISSOURI, Northeast

Clark County

Kahoka **14** **1615CST** **0** **0** **Thunderstorm Wind (G52)**

60 mph thunderstorm winds downed numerous trees and damaged houses. Route C was closed due to debris blown onto the road.
Reported by media.

MISSOURI, Northwest

Grundy County

Trenton **01** **1618CST** **0** **0** **Tstm Wind/Hail**

Ham radio operator reported thunderstorm wind gusts to 57 knots and hail to one inch.

Livingston County

1 E Farmersville **01** **1645CST** **0** **0** **Hail (1.00)**

Linn County

3 SSW Meadville **01** **1705CST** **0** **0** **Thunderstorm Wind (G52)**

Clay County

1 S Claycomo **01** **1710CST** **0** **0** **Thunderstorm Wind (G65)**

Platte County

Parkville **01** **1720CST** **0** **0** **Thunderstorm Wind (G53)**

Ray County

Millville **01** **1725CST** **0** **0** **Thunderstorm Wind (G52)**

Chariton County

Rothville **01** **1730CST** **0** **0** **Hail (1.00)**

Jackson County

Independence **01** **1730CST** **0** **0** **Thunderstorm Wind (G52)**

Thunderstorms produced wind damage, resulting in downed large tree limbs.

Lafayette County

Odessa **01** **1742CST** **0** **0** **2K** **Thunderstorm Wind (G65)**

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
MISSOURI, Northwest								
Chariton County								
Keytesville	01	1751CST			0	0		Hail (0.75)
Cass County								
2 S Harrisonville	01	1805CST			0	0		Thunderstorm Wind (G57) ^M
6 inch tree limbs down.								
Johnson County								
Whiteman Afb	01	1808CST			0	0		Thunderstorm Wind (G57)
Chariton County								
5 SSE Salisbury	01	1810CST			0	0		Hail (0.75)
Pettis County								
Green Ridge	01	1834CST			0	0		Hail (0.75)
Pettis County								
Sedalia	01	1838CST			0	0		Thunderstorm Wind (G70) ^M
Howard County								
Burton	01	1839CST			0	0		Thunderstorm Wind (G61)
Johnson County								
Holden	01	1840CST			0	0		Thunderstorm Wind (G52)
Howard County								
1 E Burton	01	1845CST			0	0	10K	Thunderstorm Wind (G70)
Cass County								
Pleasant Hill	01	2035CST			0	0		Flash Flood
Law enforcement reported several roads under 1 to 2 feet of water, from locally heavy rains.								
Johnson County								
3 W Leeton	01	2050CST			0	0		Hail (0.88)
Cass County								
Pleasant Hill	01	2053CST			0	0		Flash Flood
Paris road flooded as well as several rural roads with from 1 to 2 feet of water.								
Cass County								
Pleasant Hill	01	2128CST			0	0		Flash Flood
Flooding of Paris road and several rural roads with as much as 1 to 2 feet of water continues.								
MOZ032-044-054								
Chariton - Johnson - Henry								
	02	0600CST			0	0		Flood
	12	1200CST						
Occasional heavy rains the first week and a half of June, led to extensive flooding of rivers in northwest Missouri. Record flooding was experienced on the South Grand River near Ulrich. The crest was 29.08 feet or 5.08 feet above flood stage.								
MOZ014-020-023-028>029-029>031-037>040-044-046								
Daviess - Buchanan - Livingston - Platte - Clay - Ray - Carroll - Jackson - Lafayette - Saline - Howard - Johnson - Cooper								
	03	0600CST			0	0		Flood
	12	1800CST						
Periods of heavy rain the first week and a half of June, led to extensive minor to moderate flooding over northwest Missouri.								
MOZ045-054								
Pettis - Henry								
	03	1055CST			0	0		High Wind (G52)
		1235CST						
High winds downed trees and power lines. Wind caused by a wake depression low.								
Pettis County								
Sedalia	04	0429CST			0	0		Flash Flood
Law enforcement reported flooded county roads and state roads around the county.								
Pettis County								
Sedalia	04	0436CST			0	0		Flash Flood
Flooding reported on many state and county roads.								
Ray County								
4 NW Wood Hgts	04	0630CST			1	0		Flash Flood
Flash flooding fatality reported on 168th St. in Ray county, or approximately 5 miles northeast of Excelsior Springs. Woman drove into flooded road where it crossed a small stream...and vehicle was washed of the road. She could not be rescued in time.								
F?VE								
Clay County								
2 NE Kearney	05	2137CST			0	0		Flash Flood

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
MISSOURI, Northwest								
			5 to 6 inches of water reported over roadway northeast of Kearney.					
Clay County								
Kearney	05	2140CST			0	0		Flash Flood
			Water reported over roads from heavy rain.					
Jackson County								
Kansas City	06	0029CST			0	0		Flash Flood
			Flooding reported at Swope Park...and also at Gregory and Blue River.					
Ray County								
5 W Knoxville	06	0130CST			0	0		Flash Flood
			Flooding reported on route D and in the Crystal Lakes area.					
Ray County								
5 W Knoxville	06	0145CST			0	0		Flash Flood
			Flooding reported route D and in the Crystal Lakes area.					
Jackson County								
Kansas City	06	0320CST			0	0		Flash Flood
			Flooding causing problems for urban residences on the east side of town.					
Ray County								
5 W Knoxville	06	0343CST			0	0		Flash Flood
			Route D from 13 to C still closed due to flooding.					
Clay County								
2 E Kearney	06	0345CST			0	0		Flash Flood
			92 highway east of Kearney still closed due to flooding from Clear Creek.					
De Kalb County								
Maysville	14	0646CST			0	0		Hail (1.00)
Gentry County								
King City	14	0646CST			0	0		Hail (1.00)
Daviess County								
Jamesport	14	0745CST			0	0		Hail (1.75)
Grundy County								
6 SW Trenton	14	0752CST			0	0		Hail (1.75)
Linn County								
4 SW New Boston	14	0950CST			0	0		Hail (0.75)
Cass County								
Cleveland	14	1317CST			0	0		Hail (0.88)
Cass County								
Peculiar	14	1320CST			0	0		Thunderstorm Wind (G61)
De Kalb County								
1 E Maysville	14	1320CST			0	0		Thunderstorm Wind (G61)
Jackson County								
Raytown	14	1324CST			0	0	15K	Thunderstorm Wind (G61)
Clay County								
Liberty	14	1330CST			0	0	5K	Thunderstorm Wind (G61)
			Large trees reported blown down by law enforcement.					
Ray County								
5 W Richmond	14	1345CST			0	0		Thunderstorm Wind (G61)
Caldwell County								
Mirabile	14	1350CST			0	0	2K	Thunderstorm Wind (G70)
Lafayette County								
Odessa	14	1350CST			0	0		Thunderstorm Wind (G61)
Caldwell County								
Polo	14	1355CST			0	0		Hail (0.75)
Clinton County								
Lathrop	14	1400CST			0	0		Thunderstorm Wind (G61)
Harrison County								
2 W Blythedale	14	1400CST			0	0	3K	Thunderstorm Wind (G61)
			Large trees down and 6 outbuildings destroyed.					

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
MISSOURI, Northwest							
Daviess County							
Pattonsburg	14	1405CST			0	0	Thunderstorm Wind (G61)
		Large trees blown down.					
Johnson County							
Warrensburg	14	1410CST			0	0	Thunderstorm Wind (G70)
Carroll County							
Carrollton	14	1416CST			0	0	Thunderstorm Wind (G52)
Grundy County							
Trenton	14	1416CST			0	0	Thunderstorm Wind (G61)
Cooper County							
Boonville	14	1420CST			0	0	Thunderstorm Wind (G61)
Grundy County							
Trenton	14	1420CST			0	0	Hail (0.75)
Livingston County							
Chillicothe	14	1420CST			0	0	Thunderstorm Wind (G61)
Macon County							
Excello	14	1420CST			0	0	Thunderstorm Wind (G61)
Saline County							
Marshall	14	1435CST			0	0	Thunderstorm Wind (G61)
Chariton County							
1 SE Brunswick	14	1455CST			0	0	Thunderstorm Wind (G61)
Sullivan County							
Green City	14	1455CST			0	0	Thunderstorm Wind (G61)
Linn County							
Linneus	14	1509CST			0	0	Thunderstorm Wind (G61)
Putnam County							
1 S Martinstown	14	1510CST			0	2	Thunderstorm Wind (G74)
		Mobile home destroyed with two injuries. Reported by law enforcement.					
Adair County							
Kirkville	14	1515CST			0	0	Thunderstorm Wind (G74)
Schuyler County							
Queen City	14	1520CST			0	0	Thunderstorm Wind (G78)
MOZ001-012-017-020-023-028-032-037>039-046-054	Atchison - Andrew - Adair - Buchanan - Livingston - Platte - Chariton - Jackson - Lafayette - Saline - Cooper - Henry						
	14	1800CST			0	0	Flood
	18	2000CST					
	Heavy rains across northwest Missouri caused extensive minor to moderate flooding of streams. The Tarkio River at Fairfax crested 5.45 feet above flood stage.						
Platte County							
Edgerton	16	2005CST			0	0	Hail (0.75)
Clay County							
5 N Smithville	16	2010CST			0	0	Hail (1.75)
Clinton County							
Cameron	16	2010CST			0	0	Hail (1.00)
Clinton County							
4 E Cameron	16	2020CST			0	0	Hail (1.75)
Caldwell County							
Hamilton	16	2030CST			0	0	Hail (1.75)
Harrison County							
5 N Bethany	17	0820CST			0	0	Hail (0.75)
Nodaway County							
5 W Hopkins	17	1630CST			0	0	Hail (0.75)
Jackson County							
Kansas City	19	1932CST			0	0	Hail (0.75)
Jackson County							
Courtney	19	1955CST			0	0	Hail (1.00)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
MISSOURI, Northwest									
Platte County									
Edgerton	19	2300CST			0	0		Flash Flood	
Heavy rains up to 5 inches fell over the area, resulting in several roads and highways being closed.									
Jackson County									
Blue Spgs	20	0040CST			0	0		Thunderstorm Wind (G52)	
12 inch diameter tree blown down.									
Clinton County									
Lathrop	20	2125CST			0	0		Thunderstorm Wind (G52)	
Caldwell County									
Polo	20	2135CST			0	0		Thunderstorm Wind (G52)	
Law enforcement reported power lines down.									
Livingston County									
4 W Blue Mound	20	2150CST			0	0		Thunderstorm Wind (G53)	
Carroll County									
Carrollton	20	2215CST			0	0		Thunderstorm Wind (G52)	
Platte County									
Dearborn	20	0329CST			0	0		Flash Flood	
Numerous roads across county closed due to flooding.									
Platte County									
Edgerton	20	0909CST			0	0		Flash Flood	
Flooding continues to close roads at: Edgerton Junction...E Hwy at Skinners bridge...B Hwy and KK Hwy...Unionville Rd...92 Hwy at Todd Creek and at Second Creek.									
MOZ014-020-023-028>029-029>032-037>040-044-046-054									
Daviess - Buchanan - Livingston - Platte - Clay - Ray - Carroll - Chariton - Jackson - Lafayette - Saline - Howard - Johnson - Cooper - Henry									
	20	0600CST			0	0		Flood	
	26	1200CST							
Widespread minor to moderate flooding was once again observed over area creeks and rivers, after very heavy rains fell over portions of the area.									
MISSOURI, Southeast									
Ripley County									
2 W Doniphan to Doniphan	03	0511CST 0515CST			0	0		Hail (1.75)	
Golf ball size hail was reported by an ambulance crew on the west side of Doniphan. State police reported nickel to quarter size hail in downtown Doniphan. The ground was completely covered by hail.									
Ripley County									
Naylor	03	0530CST			0	0		Hail (1.00)	
Quarter size hail was reported at a convenience store.									
MOZ076-087-111									
Perry - Cape Girardeau - Scott									
	06	0800CST			0	0		Flood	
	28	2200CST							
Heavy rains across the Missouri River basin and parts of the Mississippi River basin caused rises on the Mississippi River. Cape Girardeau crested 6.5 feet above flood stage on the 12th. The river was slow to fall, finally going below flood stage at Cape Girardeau on the 22nd. This was short-lived, as another round of heavy rains in the above-mentioned basins caused another crest on the 27th. Cape Girardeau crested less than one foot above flood stage this time. The first crest on June 12 resulted in moderate flooding that was primarily agricultural. Cape Girardeau closed the Themis Street and Broadway floodgates, leaving only one gate open. Closing the floodgates prevented tourist riverboats from docking at Cape Girardeau, resulting in an indirect loss of up to 32,000 dollars from tourist spending.									
Ripley County									
Doniphan	14	1820CST			0	0	5K	Thunderstorm Wind	
Roof and outbuilding damage was reported near Doniphan.									
Cape Girardeau County									
2 ESE Jackson	14	2123CST			0	0	4K	Hail (1.75)	
Golf ball size hail was reported along Interstate 55 near Jackson. Near the junction of Highway 61 and Interstate 55, carports were dented.									
Cape Girardeau County									
2 E Jackson	14	2123CST			0	0	5K	Thunderstorm Wind	

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>MISSOURI, Southeast</u>									
Along Interstate 55 near Jackson, a parked semi-trailer was overturned by thunderstorm winds, and a billboard was damaged. The damage was reportedly near the 99-mile marker of the interstate. A carport was blown over in that general area.									
Ripley County									
3 SW Doniphan	14	2242CST			0	0		Hail (0.88)	
Nickel size hail fell on Highway 21 south of Doniphan.									
Perry County									
Perryville	20	1710CST			0	0		Hail (0.88)	
Mississippi County									
Charleston	26	1643CST 1651CST			0	0		Hail (0.88)	
A slow-moving thunderstorm produced dime to nickel size hail over the Charleston area. The hail totally covered the ground. Numerous small tree limbs were down in the area.									
Ripley County									
5 E Doniphan to Fairdealing	28	1706CST 1710CST			0	0		Hail (1.75)	
About 5 miles east of Doniphan, gusts around 55 MPH were reported along with golf ball size hail. Dime size hail occurred at Fairdealing.									
<u>MISSOURI, Southwest</u>									
Benton County									
Cole Camp	01	1840CST			0	0	0	Hail (0.75)	
Trees were uprooted near Ionia.									
Morgan County									
Versailles	01	1905CST			0	0	5K	Thunderstorm Wind (G52)	
Trees and power lines were blown down around Versailles.									
Morgan County									
3 S Gravois Mills	01	1926CST			0	0	0	Hail (1.00)	
Trees were also blown down near Gravois Mills.									
Camden County									
Sunrise Beach	01	1930CST			0	0	5K	Thunderstorm Wind (G52)	
Power lines were blown down near Sunrise Beach.									
Camden County									
Montreal	01	1955CST			0	0	0	Thunderstorm Wind (G52)	
Trees were uprooted near Montreal.									
St. Clair County									
Osceola	01	2200CST			0	0	10K	Lightning	
Lightning struck the St. Clair County courthouse which damaged the phone system, elevator, and a few computers.									
Vernon County									
Walker	01	2203CST			0	0	0	Hail (1.75)	
Vernon County									
5 E Dederick	01	2220CST			0	0	0	Hail (0.75)	
Cedar County									
3 W El Dorado Spgs	01	2226CST			0	0	0	Hail (1.00)	
Dime size hail also fell 5 miles northwest of Stockton.									
Polk County									
3 SW Brighton	01	2310CST			0	0	0	Thunderstorm Wind (G52)	
Dade County									
8 N Greenfield	01	2310CST			0	0	10K	Thunderstorm Wind	
A camper trailer was overturned and damaged at Roark Bluff Park.									
Stone County									
2 W Crane	03	0300CST			0	0	0	Hail (1.00)	
Mcdonald County									
3 N Anderson	03	0342CST			0	0	0	Thunderstorm Wind (G52)	
A truck was blown off Highway 71 north of Anderson.									
Barry County									
4 NW Wheelerville	03	0342CST			0	0	0	Hail (1.00)	
Golf ball size hail was also reported southeast of Pleasant Ridge.									
Mcdonald County									
5 N Tiff City	03	0410CST			0	0	0	Hail (1.00)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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MISSOURI, Southwest

Nickel size hail was also reported east of Tiff City.

McDonald County

3 W Anderson

03 0430CST 0 0 0 Hail (1.25)

Sixty mph winds and quarter size hail were also reported around Anderson.

Christian County

Sparta

03 0440CST 0 0 0 Hail (0.88)

McDonald County

Countywide

03 0510CST 0 0 700K Flash Flood
1045CST

Rainfall amounts of three to eight inches fell over a large portion of McDonald County during a three hour period, which caused extensive damage to homes, cars, roadways, and businesses. Some of the Kansas City Southern railroad beds were washed out, but the tracks remained intact. Major routes throughout McDonald County were washed out and closed for several hours during the height of the storm. Although nobody was injured, numerous cars were stranded or washed off the road into drainage ditches where people had to be rescued.

Stone County

Cape Fair

03 0538CST 0 0 0 Hail (1.00)

McDonald County

5 N Anderson

03 0538CST 0 0 0 Hail (1.00)

Newton County

2 SW Neosho

03 0548CST 0 0 0 Hail (1.75)

Nickel size hail was also reported south of Neosho.

Stone County

Cape Fair

03 0555CST 0 0 0 Hail (0.88)

Taney County

Kissee Mills

03 0558CST 0 0 0 Hail (1.00)

McDonald County

Anderson

03 0601CST 0 0 0 Hail (1.00)

Douglas County

Rome

03 0623CST 0 0 0 Hail (1.00)

Jasper County

Carterville

03 0635CST 0 0 0 Hail (1.00)

Dime size hail was also reported near Sarcocoxie.

Jasper County

South Portion

03 0655CST 0 0 50K Flash Flood
1300CST

Rainfall amounts of three to six inches fell during the morning across the southern portion of Jasper County. Rescue officials reported numerous roads around the Joplin area had 2 to 2 1/2 feet deep of standing water. Numerous people were stranded in their vehicles as they underestimated the depth of the water and drove in. The St. Johns Regional Medical Center parking lot in Joplin had water up to car windows during the height of the storm.

Newton County

Countywide

03 0655CST 0 0 0 Flash Flood
1300CST

Rainfall amounts of three to six inches fell over Newton County during the morning. There were numerous reports of flooded and impassable roadways, especially in Neosho. Even after the rain ended, runoff from the excessive rainfall caused roadways to remain closed for several hours.

Jasper County

Carthage

03 0715CST 0 0 0 Hail (0.88)

Quarter and dime size hail was also reported northeast of Carthage.

Jasper County

Carthage

03 0728CST 0 0 0 Hail (1.00)

Jasper County

5 N Maple Grove

03 0815CST 0 0 0 Hail (0.75)

Vernon County

Nevada

03 0850CST 0 0 25K Thunderstorm Wind (G62)

Numerous trees were uprooted around Nevada. Damage was confined to roofs and outdoor decks.

Cedar County

Stockton

03 0920CST 0 0 0 Thunderstorm Wind (G52)

Numerous trees were uprooted around Stockton.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
MISSOURI, Southwest							
Vernon County							
Central Portion	03	0930CST 1230CST			0 0	0	Flash Flood
Highway 54 west of Nevada was reported flooded and impassable along with numerous other low water crossings flooded across the central portion of the county.							
Cedar County							
Stockton	03	0940CST			0 0	10K	Thunderstorm Wind (G52)
Numerous trees were uprooted near Stockton, plus a garage was damaged in Eldorado Springs.							
Dade County							
Arcola	03	0943CST			0 0	0	Thunderstorm Wind (G52)
Numerous trees were uprooted around Arcola.							
Polk County							
3 S Fair Play	03	0947CST			0 0	0	Thunderstorm Wind (G52)
Numerous trees were uprooted south of Fair Play.							
Dallas County							
Buffalo	03	1006CST			0 0	20K	Thunderstorm Wind
A roof was blown off a trailer along with numerous trees and power lines blown down near Buffalo.							
Laclede County							
Lebanon	03	1034CST			0 0	5K	Thunderstorm Wind (G52)
Power lines were blown down near Lebanon.							
MOZ101							
McDonald							
	03	1045CST 1400CST			0 0	0	Flood
This is the continuation of the flash flood event over McDonald County. Although the rain ended, runoff was extensive and continued into the afternoon hours. Numerous secondary roads and low water crossings continued to be impassable around the Anderson area.							
Barton County							
Mindenmines	03	1047CST			0 0	0	Hail (0.88)
Barton County							
5 S Lamar	03	1106CST			0 0	0	Hail (0.75)
Dade County							
North Portion	03	1130CST 1400CST			0 0	0	Flash Flood
Numerous low water crossings were flooding and impassable in northern Dade County, especially along Highway 39 near Neola.							
Dade County							
Everton	03	1134CST			0 0	0	Hail (0.75)
Polk County							
Goodson	03	1200CST 1400CST			0 0	0	Flash Flood
Highway P and 64 near Goodson was water covered and impassable.							
Greene County							
Springfield	03	1220CST			0 0	0	Thunderstorm Wind (G52)
Trees were uprooted in southeast Springfield.							
Greene County							
Central Portion	03	1230CST 1400CST			0 0	0	Flash Flood
A few streets were flooded and impassable around the Springfield area.							
Benton County							
West Portion	04	0545CST 0730CST			0 0	0	Flash Flood
Highway T west of Lincoln was flooded and impassable.							
Benton County							
Countywide	06	0320CST 0730CST			0 0	0	Flash Flood
Rainfall amounts of one to three inches fell over portions of Benton County, with the heaviest concentration over the central part of the county. Highway 7 south of Cole Camp along with numerous secondary roads were flooded or impassable for several hours. Also Highway F and roads around the Forbes new housing area in Cole Camp were flooded and closed for several hours.							
St. Clair County							
South Portion	14	1300CST 1630CST			0 0	200K	Flash Flood

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
MISSOURI, Southwest								
Over six inches of rain fell in southeastern St. Clair County washing out roads and flooding local landscape. Whole sections of roadways were eroded away by the rain which overflowed river and creek banks throughout the county. In Collins, the water washed three inches of dirt and gravel from the downtown area. Highway T near Collins was closed for an hour because the Weaubleau Creek flooded and deposited logs and debris across the road.								
Hickory County								
West Portion	14	1355CST 1630CST			0	0	0	Flash Flood
Highway 54 near Weaubleau and Highway 83 near Wheatland were flooded and impassable.								
Benton County								
Fristoe	14	1400CST 1600CST			0	0	0	Flash Flood
Highway 65 near Fristoe was flooded and impassable.								
Polk County								
Humansville	14	1408CST			0	0	0	Hail (0.75)
Polk County								
Humansville	14	1440CST			0	0	5K	Thunderstorm Wind (G52)
Trees and power lines were blown down near Humansville.								
Hickory County								
Cross Timbers	14	1500CST			0	0	0	Thunderstorm Wind (G52)
Trees were uprooted near Cross Timbers.								
Howell County								
10 W West Plains	14	1605CST			0	0	0	Thunderstorm Wind (G52)
Trees were uprooted near Pottersville.								
MOZ067								
St. Clair								
	14	1630CST 1900CST			0	0	0	Flood
This is the continuation of the flash flood event over St. Clair County. As runoff continued, numerous low water crossings and local creeks and streams were flooded for several hours across the county.								
Barton County								
North Portion	14	1630CST 1800CST			0	0	0	Flash Flood
County roads north of Lamar were flooded and impassable.								
Vernon County								
South Portion	14	1635CST 1800CST			0	0	0	Flash Flood
County roads near Bellamy were flooded and impassable.								
Mcdonald County								
Pineville	14	1640CST			0	0	0	Thunderstorm Wind (G52)
Small limbs and trees were blown down near Pineville.								
Barry County								
Cassville	14	1730CST			0	0	0	Thunderstorm Wind (G52)
Trees were uprooted and dime size hail also occurred near Cassville.								
Camden County								
3 N Lake Ozarks West	14	1742CST			0	0	0	Hail (0.88)
Christian County								
Spokane	14	1751CST			0	0	0	Hail (1.00)
Stone County								
Hurley	14	1754CST			0	0	0	Hail (0.75)
Stone County								
Kimberling City	14	1800CST			0	0	0	Hail (0.75)
Christian County								
Highlandville	14	1805CST			0	0	0	Hail (0.75)
Nickel size hail was reported southeast of Ozark.								
Cedar County								
Central Portion	14	1817CST 2000CST			0	0	0	Flash Flood
Numerous streets around the Stockton area were flooded and impassable.								
Christian County								
4 SE Ozark	14	1823CST			0	0	0	Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

								June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm	
MISSOURI, Southwest								
Webster County								
Marshfield	14	1825CST			0	0	Thunderstorm Wind (G52)	
Trees were uprooted near Marshfield.								
Polk County								
Northeast Portion	14	1833CST 2000CST			0	0	Flash Flood	
Highway D between Huron and Polk was flooded and impassable.								
Wright County								
Hartville	14	1850CST			0	0	Hail (0.75)	
Benton County								
Countywide	14	2000CST 2100CST			0	0	Flash Flood	
Numerous low water crossings, creeks and streams were flooded, especially along Highway 7.								
Hickory County								
Countywide	14	2010CST 2130CST			0	0	Flash Flood	
Highway 54 was flooded and impassable, especially west of Wheatland.								
Benton County								
North Portion	20	0517CST 0800CST			0	0	Flash Flood	
Numerous low water crossings were flooded and impassable west of Lincoln, especially along Highway C, and in the city of Lincoln.								
Greene County								
North Portion	21	0405CST			0	0	Flash Flood	
Three vehicles were partially submerged on a low water crossing near Highway AB and Farm Road 94 south of Willard. Three people were trapped and standing on the hoods of their vehicles for about one hour before local police could help them. No injuries were reported.								
Polk County								
8 N Bolivar	26	1620CST			0	0	Hail (0.75)	
Greene County								
1 N Springfield Arpt	26	1645CST 1655CST			0	0	Tornado (F0)	
A tornado developed one mile north of the Springfield Branson Regional Airport. It was observed by National Weather Service employees and Air Traffic Controllers at the tower. It remained just north of the airport grounds, drifted westward and dissipated 10 minutes later. No injuries or damage were reported.								
Greene County								
Springfield Arpt	26	1715CST			0	0	Thunderstorm Wind (G53) ^M	
Taney County								
Powersite	27	1305CST			0	0	Thunderstorm Wind (G52)	
Several trees were blown down near Table Rock Lake Dam.								
Webster County								
Rogersville	27	1318CST			0	0	Hail (1.00)	
Christian County								
5 N Sparta	27	1330CST			0	0	Hail (0.88)	
Webster County								
Rogersville	27	1338CST			0	0	Hail (0.88)	
Christian County								
Sparta	27	1354CST			0	0	Hail (1.75)	
Dallas County								
Plad	27	1400CST			0	0	Hail (0.75)	
Nickel size hail was also reported 3 miles south of Plad.								
Christian County								
3 S Ozark	27	1415CST			0	0	Hail (1.00)	
Dallas County								
Long Lane	27	1430CST			0	0	Hail (0.75)	
St. Clair County								
Osceola	27	1530CST			0	0	Thunderstorm Wind (G52)	
Large trees and power lines were blown down near Osceola. Nickel size hail was also reported.								
St. Clair County								
Roscoe	27	1551CST			0	0	Hail (0.75)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
MISSOURI, Southwest							
Cedar County							
3 W Caplinger Mills	27	1625CST			0	0	Hail (0.75)
Barton County							
Lamar	27	1730CST			0	0	Hail (0.75)
		Fifty-five mph winds were also reported in Lamar.					
McDonald County							
East Portion	27	1735CST 1930CST			0	0	Flash Flood
		A cooperative observer in Powell reported three inches of rainfall in less than one hour. Also, numerous roads were impassable over eastern McDonald County, especially Highway U where Mikes Creek and Brush Creek converge in Powell. Highway 76 southwest of Rocky Comfort had three to four inches of water flowing over the roadway.					
Barton County							
Lamar	27	1840CST 1940CST			0	0	Flash Flood
		Three to four inches of standing water was reported in Lamar City Park by a cooperative observer.					
Newton County							
1 N Redings Mill	27	1955CST			0	0	Hail (0.88)
Jasper County							
Joplin	27	1955CST			0	0	Hail (1.00)
Barry County							
Eagle Rock	28	1420CST			0	0	Hail (0.88)
Barry County							
1 S Monett	28	1445CST			0	0	Thunderstorm Wind (G52)
		Trees were uprooted south of Monett.					
Barry County							
West Portion	28	1450CST 1900CST			0	0	Flash Flood
		Numerous low water crossings were closed and impassable across western Barry County, especially around Cassville. Parts of Highway 86 and 37 were also impassable. A woman and child had to be rescued from their home along Stoney Point Road near Cassville due to flood waters. Numerous evacuations from homes and cars were conducted around Cassville through the early evening. Rainfall totals across western Barry County averaged around 4 to 6 inches in a two to three hour period. Flash flooding damaged the Haven of the Ozarks Animal Sanctuary and left dozens of dogs swimming in pens near a rising creek. It also left the shelter's roof partial damaged. Fences for dog pens and play areas were knocked down and over 3000 pounds of dog food was washed away.					
Howell County							
3 W Moody	28	1500CST			0	0	Thunderstorm Wind (G52)
		Trees were uprooted west of Moody.					
Howell County							
4 W Pottersville	28	1530CST			0	0	Hail (1.00)
		Sixty mph winds were also reported around Pottersville.					
McDonald County							
Pineville	28	1558CST			0	0	Hail (1.00)
Greene County							
Springfield	28	1610CST			0	0	Thunderstorm Wind (G52)
		Trees were uprooted across southern Springfield.					
Greene County							
Walnut Grove	28	1630CST			0	0	Hail (1.00)
Polk County							
Half Way	28	1705CST			0	0	Hail (0.75)
Webster County							
Northview	28	1732CST			0	0	Hail (0.75)
Taney County							
North Portion	28	1742CST 2000CST			0	0	Flash Flood
		Numerous low water crossings were flooded and impassable across northern Taney County, especially around Taneyville and Bradleyville. One street was washed out northeast of Taneyville on Highway AA.					
MOZ102							
Barry							
	28	1900CST 2100CST			0	0	Flood

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Property Damage	Crops	Character of Storm	
MISSOURI, Southwest									
This is the continuation of the flash flood event over western and central Barry County during the mid to later afternoon. Although the rainfall had ended, runoff from earlier 4 to 6 inch rainfall totals continued to produced areas of flooded low water crossings across the western and central Barry County.									
Cedar County									
North Portion	29	1830CST 1930CST			0	0	0	Flash Flood	
County roads were flooded and impassable in northern Cedar County.									
Christian County									
South Portion	29	1830CST 1930CST			0	0	0	Flash Flood	
Numerous roads were flooded and impassable across southern Christian County. The excessive rainfall also caused a mudslide over Highway 65.									
Shannon County									
Akers	29	1905CST			0	0	0	Hail (0.75)	
Greene County									
5 SW Fair Grove	30	1333CST			0	0	0	Hail (0.75)	
MONTANA, Central									
Gallatin County									
Bozeman	02	1310MST			0	0		Thunderstorm Wind (G61)	
Actual spotter location is Bozeman 20 N.									
MTZ014									
Southern Lewis And Clark									
	03	1700MST			0	0		Heavy Snow	
	04	0500MST							
12 inches snowfall reported at Lincoln Ranger Station of US Park Service.									
MTZ014									
Southern Lewis And Clark									
	03	1700MST			0	0		Heavy Snow	
	04	0500MST							
Up to 24 inches snowfall reported by general public at Helena 13 W (actual location is MacDonald Pass).									
MTZ052									
Jefferson									
	03	1700MST			0	0		Heavy Snow	
	04	0500MST							
10 inches snowfall reported by spotter at Boulder 10 WNW (actual spotter location is the Earth Angel Mine located in the city of Basin).									
MTZ008									
Beaverhead									
	03	1800MST			0	0		Heavy Snow	
	04	0200MST							
15 inches snowfall reported by spotter in Wisdom.									
MTZ012									
Cascade									
	03	1900MST			0	0		Heavy Snow	
	04	0700MST							
8 inches snowfall reported by spotter at Neihart 7 S (actual spotter location is Showdown Ski Resort at King's Hill).									
MTZ009									
North Rocky Mountain Front									
	12	1600MST			0	0		Heavy Snow	
	13	0200MST							
10 inches snowfall reported at St Mary Ranger Station of US Park Service.									
MTZ014									
Southern Lewis And Clark									
	12	2100MST			0	0		Heavy Snow	
	13	0800MST							
8 inches snowfall reported at Lincoln Ranger Station of US Park Service.									
MTZ015									
Madison									
	12	2300MST			0	0		Heavy Snow	
	13	1300MST							
13 inches snowfall reported by spotter in Virginia City.									
MTZ008									
Beaverhead									
	13	0000MST 0800MST			0	0		Heavy Snow	
7 inches snowfall reported by spotter in Grant.									
MTZ008									
Beaverhead									
	13	0000MST 0800MST			0	0		Heavy Snow	

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>MONTANA, Central</u>									
MTZ008	9 inches snowfall reported by spotter in Jackson.								
	Beaverhead								
	13	0000MST			0	0		Heavy Snow	
MTZ008	7 inches snowfall reported by spotter in Lima.								
	Beaverhead								
	13	0000MST			0	0		Heavy Snow	
MTZ015	6 inches snowfall reported by spotter in Wisdom.								
	Madison								
	13	0000MST			0	0		Heavy Snow	
MTZ015	7 inches snowfall reported by spotter at Alder 17 S.								
	Madison								
	13	0000MST			0	0		Heavy Snow	
MTZ052	6 inches snowfall reported by spotter in Ennis.								
	Jefferson								
	13	0000MST			0	0		Heavy Snow	
MTZ055	14 inches snowfall reported by spotter at Boulder 10 WNW (actual spotter location is the Earth Angel Mine in the city of Basin).								
	Gallatin								
	13	0000MST			0	0		Heavy Snow	
MTZ055	13 inches snowfall reported by spotter at Big Sky 2 WNW.								
	Gallatin								
	13	0000MST			0	0	354K	Heavy Snow	
MTZ055	14 inches snowfall reported by spotter at the Montana State University campus in Bozeman...Numerous tree limbs and power lines were downed across town by the weight of the wet snow (automobile damage also occurred due to the falling tree limbs)...damage cost estimate based upon report in newspaper stating that a total of \$354000 in damage was done by snow storm to the Bozeman area (including the city of Bozeman...Montana State University...Bozeman Public Schools...and Park Electric Cooperative).								
	Gallatin								
	13	0200MST			0	0		Heavy Snow	
Teton County	7 inches snowfall reported by spotter in West Yellowstone.								
	Choteau								
	27	1630MST			0	0		Thunderstorm Wind (G58)	M
Cascade County	Reported by spotter at Choteau Airport (actual location Choteau 2 S).								
	Vaughn								
	27	1710MST			0	0		Thunderstorm Wind (G62)	M
Cascade County	Actual spotter designation is Power 6 SE.								
	Vaughn								
	27	1710MST			0	0		Thunderstorm Wind (G62)	M
Judith Basin County	Actual spotter location is Vaughn 6 N.								
	Raynesford								
	27	1818MST			0	0		Hail (1.50)	
Judith Basin County	Actual spotter location is Raynesford 8 SE.								
	Moccasin								
	27	1900MST			0	0		Funnel Cloud	
Chouteau County	Reported by spotter in Moccasin.								
	Big Sandy								
	27	1915MST			0	0		Thunderstorm Wind (G57)	
Judith Basin County	Actual spotter location is Big Sandy 6 N.								
	Hobson								
	27	2030MST			0	0		Hail (1.00)	
Fergus County	Actual spotter location is Hobson 16 SW.								
	Moore								
	27	2030MST			0	0		Hail (0.75)	
Reported by spotter in Moore.									

Storm Data and Unusual Weather Phenomena

June 2001

		Time	Path	Path	Number of	Estimated	June 2001	
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property Crops	Character of Storm	
<u>MONTANA, Central</u>								
Fergus County								
Moore	27	2110MST			0	0		Hail (0.75)
		Actual spotter location is Moore 5 W.						
Fergus County								
Denton	27	2345MST			0	0		Flash Flood
		6 to 8 inch deep water running through the streets of Denton.						
Fergus County								
Suffolk	27	2345MST			0	0		Hail (1.00)
		Actual spotter location Suffolk 2 W.						
Fergus County								
Buffalo	28	0210MST			0	0		Hail (1.00)
		Reported by spotter in Buffalo.						
Fergus County								
Moore	29	2130MST			0	0		Hail (0.75)
		Reported by spotter in Moore.						
Fergus County								
Moore	29	2140MST			0	0		Hail (0.75)
		Actual spotter location is Crystal Lake (Moore 15 SE).						
<u>MONTANA, East</u>								
MTZ017-022>023								
		Central And Southern Valley - Garfield - Mccone						
	03	1845MST			0	0		High Wind (G35) M
		2100MST						
		Strong winds developed behind a cold front with sustained speeds of 40 to 45 mph for a few hours.						
Garfield County								
12 ENE Jordan	09	0900MST			0	0		Hail (0.88)
Garfield County								
43 ENE Jordan	09	0905MST			0	0		Thunderstorm Wind (G52)
Mccone County								
10 SE Circle to 20 SE Circle	09	1020MST			0	0		Hail (0.75)
Dawson County								
Lindsay	09	1030MST			0	0		Hail (0.75)
Phillips County								
35 S Malta	09	1044MST			0	0		Hail (0.75)
Valley County								
48 SW Glasgow	09	1150MST			0	0		Hail (0.75)
Sheridan County								
1 S Comertown	09	1310MST			0	0		Hail (0.88)
Sheridan County								
Westby	09	1320MST			0	0		Hail (0.75)
Mccone County								
10 S Vida	09	1335MST			0	0		Hail (0.75)
		1345MST						
		Hail lasted for ten minutes.						
Richland County								
39 NW Sidney	10	1740MST			0	0		Hail (1.00)
Richland County								
20 NW Sidney	10	1755MST			0	0		Hail (0.75)
Richland County								
8 W Fairview to 4 W Fairview	10	1810MST 1815MST			0	0		Hail (0.75)
Richland County								
Fairview	10	1825MST			0	0		Hail (0.88)
Dawson County								
5 E Hodges	11	0030MST			0	0		Thunderstorm Wind (G57)
Wibaux County								
Wibaux	11	0040MST			0	0		Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
MONTANA, East								
Richland County								
35 NW Sidney	15	1120MST			0	0		Hail (0.75)
Valley County								
14 N Hinsdale	15	1225MST			0	0		Hail (0.75)
Roosevelt County								
3 NE Poplar	15	1231MST			0	0		Hail (0.75)
Roosevelt County								
35 N Wolf Pt	15	1405MST			0	0		Hail (0.75)
Roosevelt County								
7 ESE Wolf Pt	17	1410MST			0	0		Thunderstorm Wind (G52)
Richland County								
25 NW Sidney to Fairview	17	1545MST 1620MST			0	0	50K 50K	Hail (1.75)
A storm that formed in Roosevelt County traveled to the southeast and brought large hail and damaging winds across northeastern Richland County. Several large grain bins had the tops blown off, and a large pine tree was snapped in half. Rows of trees had all of their leaves stripped off. Some vehicles and homes had dents and broken windows from the forceful combination of large hail and high winds. Several hundred acres of crops were also 50-100 percent hailed out. One rancher had a cow killed by a lightning strike.								
Valley County								
12 N Hinsdale	25	0335MST			0	0		Thunderstorm Wind (G52)
Wibaux County								
20 S Wibaux	27	1535MST			0	0		Hail (0.88)
Dawson County								
25 NW Glendive	27	1615MST			0	0		Hail (0.75)
Prairie County								
15 E Terry	29	0120MST			0	0		Thunderstorm Wind (G52)
Dawson County								
6 S Glendive	29	0155MST			0	0		Hail (0.75)
Petroleum County								
Flatwillow	29	2215MST			0	0		Hail (0.75)
MONTANA, South								
Yellowstone County								
3 SE Billings	08	1902MST			0	0		Hail (0.75)
Yellowstone County								
Lockwood	08	1940MST			0	0		Hail (0.75)
Rosebud County								
Birney	08	2245MST			0	0		Hail (0.88)
Powder River County								
3 W Sonnette to Central Portion	09	0020MST			0	0		Hail (0.88)
Musselshell County								
10 SE Roundup	09	0054MST			0	0		Hail (1.00)
Rosebud County								
Forsyth	09	0245MST			0	0		Hail (0.75)
Powder River County								
Broadus	09	0253MST			0	0		Hail (0.75)
Stillwater County								
3 W Rapelje	09	2230MST			0	0		Hail (1.00)
Custer County								
5 S Miles City	10	2057MST			0	0		Hail (1.25)
Powder River County								
Biddle	12	1425MST			0	0		Hail (0.75)
MTZ034								
		Stillwater						
	14	0000MST			0	0		Heavy Snow
18 inches of new snow 18 miles south of Red Lodge								
MTZ034								
		Stillwater						
	14	0000MST			0	0		Heavy Snow
6 inches of new snow reported at the Stillwater Mine								

Storm Data and Unusual Weather Phenomena

June 2001

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
MONTANA, South									
MTZ028		Wheatland							
	14	0300MST			0	0		Heavy Snow	
	14 inches of new snow in Cooke City								
MTZ034		Stillwater							
	14	0300MST			0	0		Heavy Snow	
	18 inches of new snow reported 8 miles west of Red Lodge								
MTZ028		Wheatland							
	14	0300MST			0	0		Heavy Snow	
	12 inches of new snow reported in McLeod								
MTZ028		Wheatland							
	14	0300MST			0	0		Heavy Snow	
	24 inches of new snow reported 9 miles south of McLeod								
MTZ034		Stillwater							
	14	0300MST			0	0		Heavy Snow	
	12 inches of new snow at Mystic Lake								
	A potent late spring storm from the Pacific Northwest moved into Southwestern Montana on the night of June 12th through the early morning hours of June 13th. In addition...a surface low developed and moved across Northern Wyoming. The combination of these two features produced very heavy snow in the mountains above 6000 feet...with rain in the valleys.								
Stillwater County									
Absarokee	17	1813MST			0	0		Hail (1.25)	
	1.25 inch hail. Hailstorm lasted from 7:05 pm to 7:13 pm.								
Stillwater County									
7 S Columbus	17	1821MST			0	0		Hail (1.00)	
Stillwater County									
10 SW Columbus	17	1830MST			0	0		Hail (1.00)	
Carbon County									
8 NW Joliet	17	1840MST			0	0		Hail (0.75)	
Big Horn County									
14.5 N Hardin	18	0015MST			0	0		Hail (0.75)	
Rosebud County									
Ashland	18	0025MST			0	0		Hail (0.75)	
Rosebud County									
4 S Colstrip	18	0025MST			0	0		Hail (0.75)	
Treasure County									
25 SSE Hysham	18	0030MST			0	0		Hail (0.75)	
Treasure County									
18 SSE Hysham	18	0030MST			0	0		Hail (1.00)	
Powder River County									
40 NW Broadus	18	0100MST			0	0		Hail (0.75)	
Custer County									
25 S Miles City	18	0110MST			0	0		Hail (0.75)	
Powder River County									
20 N Broadus	18	0115MST			0	0		Hail (0.75)	
Carter County									
11 N Ekalaka	18	0155MST			0	0		Hail (1.00)	
Carter County									
20 S Ekalaka	18	0155MST			0	0		Hail (0.75)	
Carter County									
11 NE Ekalaka	18	0220MST			0	0		Thunderstorm Wind (G60)	M
Stillwater County									
Columbus	23	1740MST			0	0		Hail (0.75)	
Stillwater County									
5 N Park City	23	1801MST			0	0		Hail (0.75)	
Yellowstone County									
25 W Billings	23	1815MST			0	0		Hail (0.75)	
Yellowstone County									
10 N Laurel	23	1815MST			0	0		Hail (0.75)	

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed		Estimated Damage Property	Crops	Character of Storm
<u>MONTANA, South</u>									
Yellowstone County									
3 NE Laurel	23	1820MST			0	0			Hail (0.88)
Big Horn County									
12 N Decker	23	1830MST			0	0			Hail (0.75)
Big Horn County									
6 NE Decker	24	1650MST			0	0			Thunderstorm Wind (G70) ^M
Big Horn County									
6 NE Decker	24	1700MST			0	0			Hail (0.75)
Powder River County									
34 SW Broadus	24	1730MST			0	0			Hail (1.75)
Powder River County									
2 W Sonnette	24	1755MST			0	0			Thunderstorm Wind (G60) ^M
Carter County									
24 W Alzada	24	1850MST			0	0			Hail (0.88)
Carter County									
Ridge	24	1850MST			0	0			Hail (0.75)
Yellowstone County									
10 NE Laurel to 3 E Laurel	26	1830MST			0	0			Hail (0.88)
Yellowstone County									
10 N Laurel	26	1850MST			0	0			Hail (2.00)
Windows smashed and roof damaged									
Stillwater County									
Park City	26	1920MST			0	0			Hail (1.00)
Hail drifted one foot deep. Windows broken on homes.									
Yellowstone County									
Billings Hgts	26	1920MST			0	0			Hail (1.75)
Golf ball size hail in western Alkali Creek									
Carbon County									
5 SE Silesia	26	1925MST			0	0			Hail (0.75)
Yellowstone County									
Billings Logan Arpt	26	1925MST			0	0			Thunderstorm Wind (G62) ^M
Stillwater County									
Park City	26	1930MST			0	0			Hail (0.75)
Yellowstone County									
7 SW Billings	26	1935MST			0	0			Hail (1.75)
Golf ball size hail									
Yellowstone County									
Laurel	26	1935MST			0	0			Hail (1.25)
Yellowstone County									
2 E Laurel	26	1935MST			0	0			Hail (1.00)
Yellowstone County									
Shepherd	26	2010MST			0	0			Thunderstorm Wind (G90)
3 feet diameter trees down									
Yellowstone County									
1 N Billings	26	2018MST			0	0			Flash Flood
1-2 miles north of K-Mart									
Yellowstone County									
Huntley	26	2020MST			0	0			Thunderstorm Wind (G90)
10 power poles knocked down and semi-trailer knocked over									
Yellowstone County									
Billings	26	2025MST			0	0			Flash Flood
6th Avenue flooded and closed									
Big Horn County									
17 W Hardin	26	2030MST			0	0			Hail (0.75)
Yellowstone County									
Billings	26	2030MST			0	0			Flash Flood

Storm Data and Unusual Weather Phenomena

										June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage	Property	Crops	Character of Storm	
<u>MONTANA, South</u>										
		Water over the road at 4th and 24th St. North								
Yellowstone County										
10 W Billings Logan Ar	26	2036MST			0	0			Flash Flood	
		3 feet of water covering Shorey Road								
Yellowstone County										
Ballantine	26	2045MST			0	0			Thunderstorm Wind (G70)	M
		Road signs and construction debris on I-94								
Yellowstone County										
Pompeys Pillar	26	2045MST			0	0			Thunderstorm Wind (G70)	M
		Construction equipment blown over on I-94								
Yellowstone County										
3 W Worden to 3 W Yegen	26	2046MST			0	0			Thunderstorm Wind (G70)	
		Trees down								
Big Horn County										
19 W Hardin	26	2100MST			0	0			Thunderstorm Wind (G80)	
		80 mph thunderstorm wind gust...hay shed destroyed on Fly Creek Road								
Yellowstone County										
Billings	26	2100MST			0	0			Flash Flood	
		Montana and 1st Avenue South...water covering hoods of cars								
Yellowstone County										
Huntley	26	2230MST			0	0			Flash Flood	
		Water covering roadways								

Two severe thunderstorms moved through Yellowstone County Montana on the evening of June 26, 2001. The first storm initiated over northwest Billings in about 15 minutes. The first storm formed a wall cloud and the Billings WSR-88D indicated rotation with this storm which prompted a tornado warning to be issued for the city of Billings. Quarter size hail was reported in the Alkali Creek area (west of Billings) and a 62 mph wind gust was observed at the Billings Airport. Several funnel clouds were reported by the public and law enforcement with this storm.

A second storm developed over Park City, Montana. This storm also formed a wall cloud which the Billings WSR-88D indicated as rotating. This storm also produced several funnel clouds, one of which was observed by a NWS meteorologist. Quarter, Golf Ball, and Half Dollar sized hail was reported from Park City through the Laurel, Montana areas. A new Tornado Warning was issued to cover both tornadic thunderstorms. Two additional Tornado Warnings (continuation of previous warnings) were issued for Yellowstone County, Montana.

Due to the extremely heavy rain and the slow movement of these thunderstorms, a Flash Flood Warning was issued for Yellowstone County. Rain reports from the Billings Airport was 0.66 inches in about 45 minutes. Huntley, Montana received 1.67 inches of rain in just under 50 minutes. Flash flooding was observed over much of eastern Yellowstone County including downtown Billings.

Eventually the two separate supercells merged just east of Billings. A Bow Echo evolved in this area and began moving east. Ten 70 foot (2 foot diameter) power poles were blown down in Huntley, Montana and a semi-trailer was blown over. Several 3 foot diameter trees were also blown down in Shepherd, Montana. A WFO Billings Post-Storm Damage Survey Team assessed this damage and estimated the wind speeds that caused it to be 90 to 100 mph.

Fallon County										
Plevna to 56 E Plevna	27	1335MST			0	0			Hail (0.88)	
Custer County										
Ismay	27	1355MST			0	0			Hail (0.75)	
Fallon County										
4 W Plevna	27	1355MST			0	0			Hail (1.75)	
Custer County										
Ismay	27	1400MST			0	0			Hail (0.88)	
Fallon County										
5 W Baker	27	1417MST			0	0			Hail (1.00)	
Custer County										
9 SW Ismay	27	1435MST			0	0			Hail (1.75)	
Fallon County										
8 NW Baker	27	1450MST			0	0			Hail (0.75)	
Fallon County										
9 N Baker	27	1455MST			0	0			Hail (0.75)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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MONTANA, South

Fallon County

20 NE Baker 27 1520MST 0 0 Hail (0.75)

Fallon County

25 NE Baker 27 1535MST 0 0 Hail (0.75)

Wheatland County

Judith Gap 28 0200MST 0 0 Hail (1.00)

Wheatland County

Judith Gap 28 0215MST 0 0 Hail (1.25)

Car windows knocked out in Judith Gap

Wheatland County

Judith Gap 28 0215MST 0 0 Hail (1.00)

Car windows smashed in Judith Gap

Golden Valley County

27 NNW Ryegate 28 0245MST 0 0 Hail (1.00)

Musselshell County

25 SE Roundup 28 1400MST 0 0 Hail (1.25)

Golden Valley County

6 S Lavina to 28 1415MST 0 0 Hail (0.75)

8 N Lavina

Golden Valley County

8 SW Lavina 28 1420MST 0 0 Hail (1.75)

Musselshell County

6 S Musselshell 28 1430MST 0 0 Hail (0.75)

Musselshell County

12 S Roundup 28 1430MST 0 0 Hail (0.75)

Musselshell County

25 SW Roundup 28 1435MST 0 0 Hail (1.75)

Musselshell County

10 S Musselshell 28 1455MST 0 0 Hail (1.00)

Windows smashed 10 miles south of Musselshell

Musselshell County

6 S Roundup 28 1550MST 0 0 Hail (0.75)

Golden Valley County

1 SW Lavina to 28 1600MST 0 0 Hail (0.75)

13 NW Lavina

Musselshell County

13 S Melstone 28 1700MST 0 0 Hail (0.75)

Musselshell County

10 S Roundup 28 1700MST 0 0 Hail (1.25)

Musselshell County

10 W Roundup 28 1730MST 0 0 Hail (1.75)

Musselshell County

10 W Roundup 28 1730MST 0 0 Hail (1.75)

Yellowstone County

20 NW Custer 28 1755MST 0 0 Hail (0.75)

Musselshell County

14 SE Roundup 28 1800MST 0 0 Hail (0.88)

Rosebud County

10 W Ingomar 28 1800MST 0 0 Hail (0.88)

Yellowstone County

19 NW Custer 28 1800MST 0 0 Hail (0.88)

Yellowstone County

25 NNW Custer 28 1800MST 0 0 Hail (1.75)

Heavy crop damage 25 miles north/northwest of Custer

Wheatland County

Shawmut 28 1802MST 0 0 Hail (1.00)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed		Estimated Damage Property	Crops	Character of Storm
<u>MONTANA, South</u>									
Wheatland County									
Shawmut	28	1805MST			0	0			Hail (0.75)
Wheatland County									
15 SE Harlowton	28	1810MST			0	0			Hail (1.00)
Wheatland County									
18 SE Harlowton	28	1815MST			0	0			Hail (0.75)
Golden Valley County									
18 NNW Ryegate	28	1830MST			0	0			Hail (0.88)
Golden Valley County									
18 NNW Ryegate	28	1830MST			0	0			Hail (0.88)
Golden Valley County									
30 E Ryegate	28	1900MST			0	0			Hail (0.75)
Wheatland County									
Harlowton	28	1925MST			0	0			Hail (0.88)
Wheatland County									
Harlowton	28	1930MST			0	0			Hail (0.75)
Musselshell County									
10 S Roundup	28	1940MST			0	0			Hail (1.00)
Wheatland County									
Hedgesville	28	2003MST			0	0			Hail (1.00)
Rosebud County									
20 N Forsyth	28	2010MST			0	0			Hail (1.00)
Golden Valley County									
18 NW Ryegate	28	2020MST			0	0			Hail (0.88)
Rosebud County									
14 NE Forsyth	28	2028MST			0	0			Hail (1.25)
Treasure County									
Hysham	28	2100MST			0	0			Hail (2.75)
Treasure County									
8 SE Hysham	28	2135MST			0	0			Hail (2.75)
Heavy damage to homes and vehicles 8 miles southeast of Hysham									
Treasure County									
Hysham	28	2138MST			0	0			Hail (2.75)
Broken windows in Hysham									
Rosebud County									
13 W Forsyth	28	2200MST			0	0			Hail (1.75)
Rosebud County									
37 S Colstrip	28	2255MST			0	0			Hail (1.75)
Severe thunderstorms began to develop across the northern half of the NWS Billings Forecast Area late in the afternoon on June 28th. Several supercells and numerous other severe thunderstorms (mainly large hail producers) developed across the area on the evening of June 28th and continued into the early morning hours of June 29th.									
Custer County									
1 W Volborg	29	0005MST			0	0			Hail (0.88)
Custer County									
3 W Volborg	29	0005MST			0	0			Hail (1.25)
Treasure County									
Hysham	29	0015MST			0	0			Hail (1.00)
Rosebud County									
24 NE Colstrip	29	0030MST			0	0			Hail (0.75)
Rosebud County									
43 S Colstrip	29	0030MST			0	0			Hail (0.75)
Treasure County									
3 N Hysham	29	0035MST			0	0			Hail (0.88)
Powder River County									
20 N Broadus	29	0112MST			0	0			Hail (0.88)
Powder River County									
20 N Broadus	29	0130MST			0	0			Hail (0.88)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
MONTANA, South							
Custer County							
20 S Miles City	29	0200MST			0	0	Hail (0.75)
Carter County							
10 N Alzada	29	0230MST			0	0	Hail (1.00)
Treasure County							
25 SSE Hysham	29	2240MST			0	0	Hail (1.00)
Powder River County							
Olive	30	0000MST			0	0	Hail (1.00)
		Hail covered ground					
Powder River County							
5 W Broadus	30	0005MST			0	0	Hail (1.75)
		Hail was 3-4 inches deep on the ground. Several windows broken.					
Powder River County							
1 S Broadus	30	0005MST			0	0	Hail (1.00)
Rosebud County							
Colstrip	30	0005MST			0	0	Hail (1.75)
		Hail covered the ground and drifted. Several broken windows.					
Powder River County							
Broadus	30	0007MST			0	0	Hail (0.75)
Rosebud County							
Colstrip	30	0015MST			0	0	Hail (1.75)
		Hail drifted 6-8 inches deep.					
Carter County							
Boyes	30	0035MST			0	0	Hail (0.75)
Rosebud County							
Ashland	30	0055MST			0	0	Hail (1.00)
Rosebud County							
Ashland	30	0100MST			0	0	Hail (1.75)
		Hail covered the ground. Several broken windows.					
Rosebud County							
Colstrip	30	0100MST			0	0	Flash Flood
		3 feet of water covered Olive Street					
Rosebud County							
Ashland	30	0105MST			0	0	Hail (2.50)
		Baseball size hail covered the ground on the north side of town. Multiple windows broken and some structural damage.					
		A large thunderstorm moved over the town of Ashland, Montana at about 1 a.m. on the morning of June 30th. The storm reached a height more than 13 miles high or about 70 thousand feet. In addition to the baseball size hail...the storm produced winds up to 80 miles per hour. As a result...there were many smashed windows and windshields...as well as...trees stripped of branches, bark, and leaves. In addition...many birds were also knocked out of trees and killed. The St. Labre School in Ashland was damaged with many windows smashed.					
Rosebud County							
Ashland	30	0115MST			0	0	Flash Flood
		Several roads washed out					
Powder River County							
8 SW Biddle	30	0120MST			0	0	Hail (1.75)
		Hail covered the ground					
Powder River County							
Biddle	30	0120MST			0	0	Hail (1.75)
		Hail covered the ground. Some broken windows.					
Powder River County							
40 W Broadus to 10 N Broadus	30	0145MST			0	0	Flash Flood
		Logs were floating across Otter Creek Road					
Powder River County							
35 WNW Broadus	30	0030MST			0	0	Hail (1.00)
Powder River County							
35 WNW Broadus	30	0200MST			0	0	Flash Flood

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

MONTANA, South

3-4 feet of water over highway 51 near Fort Howes

Powder River County

5 E Broadus	30	0240MST			0	0		Hail (0.75)
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Severe thunderstorms began to develop across the eastern half of the NWS Billings Forecast Area late in the evening on June 29th. Several supercells and severe thunderstorms (mainly large hail producers) developed across the area on the late evening of June 29th and continued into the early morning hours of June 30th.

MONTANA, West

Lincoln County

Central Portion to Yaak	01	1730MST 1800MST			0	0		Thunderstorm Wind (G52)
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Sanders County

Thompson Falls to Noxon	01	1730MST 1800MST			0	0		Thunderstorm Wind (G52)
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Lake County

Ronan Arprt to Pablo	01	1850MST 1900MST			0	0		Thunderstorm Wind (G50)
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Ravalli County

Hamilton	01	2140MST 2145MST			0	0		Thunderstorm Wind (G52)
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The most significant damage from strong thunderstorms occurred near the towns of Noxon, Troy, Libby and Trout Creek in northwest Montana, where several 12 to 18 inch diameter trees were blown over by winds gusting to 60 mph. In Noxon, two vehicles sustained damage from trees falling on them. A tree fell on a trailer in Libby and a metal roof was blown off a building. Similar wind speeds were reported in Hamilton, MT, which downed a number of tree branches in the area. Numerous tree limbs were also reported down in the towns of Whitefish, Columbia Falls and Kalispell in northwest Montana. Many of the tree limbs fell on to power lines, resulting in a number of power outages and small fires. In Lake County, a thunderstorm just north of the Ronan Airport snapped and toppled numerous trees, crushed a home roof and destroyed a shed and corrals in its wake.

MTZ006>007

Bitterroot / Sapphire Mountains - Butte / Pintlar Region

03	0845MST	0	0	Heavy Snow
04	0000MST			

Late spring storm brought heavy wet snow to low elevations, which damaged trees and downed power lines throughout southwest Montana. Snowfall totals ranged from 6 to 12 inches with as much as 28 inches at Georgetown Lake. In the Butte area, wet snow broke tree branches, which blocked roads and damaged power lines, cutting electricity to many homes. Many traffic accidents were reported, and Homestake Pass on Interstate 90, was closed part of the day. In addition, flights at Bert Mooney Airport were canceled due to poor visibility.

MTZ005>007-043

Missoula / Bitterroot Valleys - Bitterroot / Sapphire Mountains - Butte / Pintlar Region - Blackfoot Region

03	1800MST	0	0	750K	Heavy Snow
04	1200MST				

A late spring storm brought significant rain and snow to both west central and southwest Montana. As temperatures cooled after nightfall, the lower valleys began to see the rain change to snow. The 0.7 inches of snow measured at the National Weather Service office in Missoula was a new record snowfall for the month of June, and only the second time in the past 100 years that measurable snow has been recorded in June. However, this paled in comparison to the 4 to 8 inches of snow that fell in the city of Missoula by the early morning hours of the 4th, with countless tree limbs down and widespread power outages reported by daybreak. Many streets in Missoula were closed due to the fallen debris, and the city was declared a disaster area by the Mayor that afternoon. Many other locations throughout Missoula, Granite, Powell and Silver Bow Counties faced similar problems, with portions of Highway 83 closed and emergency travel on Interstate 90 and U.S. Highway 12. The snow melted off quickly by afternoon, as temperatures warmed into the lower 50s. Snowfall totals ranged from 4 to 8 inches in the lower valleys, up to one foot in higher valleys such as Butte. The mountains received 12 to 14 inches of new snow.

Missoula County

Lolo	09	0145MST	0	0	Thunderstorm Wind (G51)	M
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Ravalli County

Stevensville to Florence	09	0145MST 0150MST	0	0	Thunderstorm Wind (G51)
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Missoula County

Missoula	09	0150MST	0	0	Thunderstorm Wind (G51)
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Severe thunderstorm developed over northern Ravalli County and passed through central Missoula County. Strong winds caused numerous large tree branches to be blown down in northern Ravalli County. Storm intensified over Missoula County where wind gusts up to 58 mph caused road sign to be blown over and numerous large tree branches to be broken off of trees.

MTZ002-007-043

West Glacier Region - Butte / Pintlar Region - Blackfoot Region

12	0000MST	0	0	Heavy Snow
13	0000MST			

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

MONTANA, West

Late spring winter storm dumped heavy snow near the Continental Divide. Snowfall totals for the storm were at Logan and Marias Pass in Glacier Park 8 to 10 inches, Cyclone in Flathead County, Nevada Ridge in Powell County, and Point Six in Missoula County 6 inches, North Fork Elk Creek in Missoula County 9 inches, and at Butte 5 to 7 inches. Poor visibility due to heavy snow and wind caused the Bert Mooney Airport in Butte to be temporarily closed during the early morning hours. Likewise, Homestake Pass was closed at 4:00 am, as slick roads caused traffic accidents to occur during the early morning hours.

Missoula County

Missoula

27 1530MST

0 0

Hail (0.88)

Severe thunderstorm that passed through western and central Missoula County caused nickel size hail to fall near downtown Missoula, with numerous spotter reports of 50 mph wind gusts that caused tree branches to be blown down in Huson, Evaro and in Missoula.

NEBRASKA, Central

Keya Paha County

11 E Springview 06 1504CST

0 0

20K 15K Hail (1.75)

Boyd County

5 E Naper 06 1515CST

0 0

Hail (0.75)

Lincoln County

7 NNE North Platte 06 1805CST

0 0

Hail (1.00)

Chase County

1 S Imperial 07 0130CST

0 0

Hail (0.75)

Keith County

12 NW Ogallala 07 0517CST

0 0

Hail (0.88)

Cherry County

5 WNW Cody 08 1430CST

0 0

Hail (0.75)

Cherry County

12 SSE Cody 08 1511CST

0 0

8K 25K Hail (1.50)

Cherry County

30 SW Valentine 08 1640CST

0 0

Thunderstorm Wind (G65)

Large limbs were broken off trees.

Cherry County

8 NW Brownlee 08 1700CST
1713CST

0 0

3K 8K Hail (1.75)

Grant County

5 NE Whitman 09 1930CST

0 0

Hail (1.00)

Hooker County

20 WNW Mullen 09 1930CST

0 0

Hail (1.00)

Grant County

5 S Whitman 09 1945CST

0 0

Hail (1.00)

Cherry County

Valentine 09 2053CST

0 0

Hail (0.75)

Mcpherson County

10 WSW Tryon to
9 SW Tryon 09 2101CST
2120CST

0 0

3K Tornado (F0)

F0 Tornado up to 1/2 mile wide traveled through open rangeland. Utility poles were broken off.

Cherry County

3 SE Valentine 09 2105CST

0 0

Hail (0.75)

Keya Paha County

19 W Springview 09 2115CST

0 0

Hail (0.75)

Holt County

10 S Ewing 10 0015CST

0 0

Hail (0.88)

Lincoln County

North Platte Arpt 12 0040CST

0 0

Hail (0.75)

Lincoln County

2 E Maxwell 12 0130CST

0 0

Hail (0.88)

Custer County

13 SW Callaway 12 0140CST

0 0

Hail (0.88)

Sheridan County

White Clay 12 1943CST

0 0

Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
NEBRASKA, Central								
Sheridan County								
5 S Hay Spgs	12	2005CST			0	0		Hail (0.75)
Sheridan County								
7 S Hay Spgs	12	2016CST			0	0	4K	10K Hail (1.75)
Sheridan County								
12 S Rushville to 15 S Rushville	12	2020CST			0	0	7K	20K Hail (3.00)
2.75 inch to 3.00 inch hail was reported.								
Sheridan County								
12 S Gordon to 14 SSE Gordon	12	2046CST			0	0	10K	10K Tornado (F0)
F0 tornado broke off a few utility poles as it passed through open rangeland.								
Sheridan County								
12 S Rushville	12	2100CST			0	0		Hail (1.00)
Cherry County								
23 SW Merriman	12	2110CST			0	0	4K	Hail (1.75)
Sheridan County								
17 S Gordon	12	2145CST			0	0	4K	Hail (1.75)
Cherry County								
Cody	12	2200CST			0	0		Hail (0.75)
Sheridan County								
3 W Gordon	12	2211CST			0	0		Hail (1.00)
Cherry County								
Cody	12	2225CST			0	0	10K	Hail (1.75)
Sheridan County								
8 NE Rushville	12	2230CST			0	0		Hail (1.00)
Cherry County								
Cody	12	2250CST			0	0		Hail (0.75)
Sheridan County								
15 N Antioch	13	0000CST			0	0		Hail (0.75)
Frontier County								
10 SSW Curtis	13	1925CST			0	0		Hail (0.75)
Frontier County								
3 NE Curtis	13	1935CST			0	0		Hail (0.75)
Frontier County								
2 E Moorefield	13	2010CST			0	0		Hail (1.00)
Custer County								
8 WSW Oconto	13	2037CST			0	0	10K	10K Hail (2.75)
1.75 to 2.75 inch hail was reported.								
Custer County								
3 NW Oconto	13	2055CST			0	0	6K	Hail (1.75)
Custer County								
4 N Oconto	13	2100CST			0	0		Hail (1.00)
Custer County								
7 SW Berwyn	13	2110CST			0	0		Hail (0.75)
Sheridan County								
3 S Rushville	17	1735CST			0	0	5K	Thunderstorm Wind (G70)
Thunderstorm wind gusts snapped off utility poles.								
Custer County								
2 SE Callaway	18	1528CST			0	0		Hail (0.75)
Custer County								
3 N Oconto	18	1545CST			0	0		Hail (0.75)
Lincoln County								
9 NE Wallace	25	1812CST			0	0		Hail (0.75)
Lincoln County								
3 S Sutherland	25	1855CST			0	0		Hail (1.00)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed		Estimated Damage Property	Crops	Character of Storm
<u>NEBRASKA, Central</u>									
Lincoln County									
2 E Wallace	25	1920CST			0	0			Hail (0.88)
Lincoln County									
North Platte	25	1925CST			0	0			Hail (0.88)
Perkins County									
4 N Madrid	25	1955CST			0	0			Hail (0.75)
Keith County									
7 S Paxton	25	2015CST			0	0	5K	15K	Hail (1.75)
Perkins County									
3 S Grant	25	2125CST			0	0			Hail (0.75)
Holt County									
9 SSE Ewing	26	0555CST			0	0			Hail (0.75)
Garden County									
11 S Oshkosh	29	1243CST			0	0			Hail (0.75)
Garden County									
10 SW Lewellen	29	1257CST			0	0			Tornado (F0)
F0 tornado briefly touched down in open rangeland.									
Mcperson County									
16 SW Tryon	29	1440CST			0	0			Hail (0.75)
Arthur County									
9 SW Arthur	29	1501CST			0	0			Hail (0.88)
Arthur County									
6 N Arthur	29	1550CST			0	0			Hail (1.00)
Hooker County									
21 SW Mullen	29	1615CST			0	0	5K	5K	Hail (1.50)
Mcperson County									
20 NW Tryon	29	1620CST			0	0			Hail (0.88)
Hooker County									
12 S Mullen	29	1635CST			0	0			Hail (1.00)
Grant County									
5 S Whitman	29	1645CST			0	0			Hail (0.88)
Grant County									
5 S Whitman	29	1645CST			0	0			Thunderstorm Wind (G60)
Hooker County									
15 S Mullen	29	1705CST			0	0	9K	5K	Hail (1.75)
Hooker County									
18 S Mullen	29	1715CST			0	0			Hail (1.00)
Hooker County									
9 WSW Mullen	29	1720CST			0	0			Hail (1.00)
Hooker County									
Mullen	29	1730CST			0	0			Hail (0.88)
Cherry County									
4 NNW Elsmere	29	1740CST			0	0			Hail (0.75)
Brown County									
28 S Johnstown	29	1750CST			0	0	5K	15K	Hail (1.75)
Blaine County									
Purdum	29	1755CST			0	0			Hail (1.00)
Thomas County									
6 W Halsey	29	1800CST			0	0	5K	15K	Hail (1.75)
Brown County									
31 S Ainsworth	29	1810CST			0	0	5K	10K	Hail (1.75)
Cherry County									
5 N Valentine	29	1810CST			0	0	10K	25K	Hail (1.75)
Thomas County									
5 W Halsey	29	1810CST			0	0			Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>NEBRASKA, Central</u>								
Blaine County								
5 WSW Dunning	29	1815CST			0	0	5K	10K Hail (1.75)
Thomas County								
Halsey	29	1820CST 1825CST			0	0	10K	25K Hail (2.75)
The hail lasted for several minutes and broke out several windshields in vehicles.								
Blaine County								
8 N Brewster	29	1825CST			0	0		Hail (0.88)
Brown County								
14 S Johnstown	29	1845CST			0	0		Hail (0.88)
Cherry County								
13 NW Brownlee	29	1900CST			0	0		Hail (0.88)
Brown County								
7 WSW Ainsworth	29	1920CST			0	0		Hail (1.00)
Cherry County								
Sparks	30	1045CST			0	0		Hail (1.00)
Cherry County								
Sparks	30	1045CST			0	0		Thunderstorm Wind (G60)
Keya Paha County								
19 WSW Springview	30	1105CST			0	0		Hail (1.00)
<u>NEBRASKA, East</u>								
Gage County								
Wymore	01	1505CST			0	0		Hail (0.75)
Pawnee County								
12 SW Burchard	01	1528CST			0	0		Hail (0.75)
Gage County								
5 NE Pickrell	03	2010CST			0	0		Hail (0.75)
Cass County								
2 SE Murray	04	0000CST			0	0		Hail (1.00)
Hail covered the ground.								
Gage County								
Wymore	04	0100CST			0	0	38K	Lightning
A lightning strike caused a house fire in Wymore.								
Pawnee County								
4 N Table Rock	05	0340CST			0	0		Hail (1.00)
Antelope County								
5 NW Neligh	10	0028CST			0	0		Hail (0.75)
Madison County								
Norfolk	10	0100CST			0	0		Hail (1.00)
Stanton County								
4 N Stanton to Stanton	10	0200CST			0	0		Hail (0.75)
Stanton County								
Stanton	10	0200CST			0	0		Thunderstorm Wind (G50)
Thunderstorm winds downed small tree limbs in Stanton.								
Douglas County								
Omaha	10	0311CST			0	0		Hail (0.75)
A few hailstones reached dime size near 95th and Maple.								
Cuming County								
Bancroft	12	0805CST			0	0		Hail (0.75)
Burt County								
1 NE Lyons	12	0815CST			0	0		Hail (0.75)
Thurston County								
1 NE Rosalie	12	0830CST			0	0		Hail (0.75)
Thurston County								
Thurston	12	0926CST			0	0		Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
NEBRASKA, East								
Thurston County								
Pender	12	0941CST			0	0		Hail (0.75)
Cuming County								
Bancroft	12	0950CST			0	0		Hail (0.75)
Thurston County								
Rosalie	12	0955CST			0	0		Hail (0.75)
Cuming County								
Bancroft	12	0959CST			0	0		Hail (0.88)
Burt County								
Decatur	12	1016CST			0	0		Hail (0.75)
Burt County								
6 E Lyons	12	1020CST			0	0		Hail (0.88)
Burt County								
5 S Decatur	12	1032CST			0	0		Hail (0.88)
Cedar County								
Belden	12	1730CST			0	0		Hail (0.75)
Cedar County								
4 SE Coleridge	12	1758CST			0	0		Hail (1.75)
Stanton County								
9 S Pilger	13	1720CST			0	0		Hail (0.88)
Cuming County								
Wisner	13	1730CST			0	0		Hail (1.00)
Stanton County								
8 SSW Pilger	13	1740CST			0	0		Hail (1.75)
Colfax County								
Clarkson	13	1750CST			0	0		Hail (0.88)
Cuming County								
7 NW Bancroft to 8 NW Bancroft	13	1751CST 1752CST			0	0		Tornado (F0)
Brief tornado touchdown in open country observed by storm chasers.								
Stanton County								
3 SE Stanton	13	1753CST			0	0		Hail (1.75)
Some car damage was reported with the hail.								
Colfax County								
Howells	13	1800CST 1803CST			0	0		Hail (1.00)
Butler County								
Bellwood	13	1804CST			0	0		Hail (1.00)
Colfax County								
4 S Howells to 3 S Howells	13	1810CST 1815CST			0	0		Hail (2.75)
Butler County								
Rising City	13	1810CST			0	0		Hail (1.75)
Seward County								
Beaver Crossing	13	1815CST			0	0		Hail (1.50)
Seward County								
Seward	13	1844CST 1858CST			0	0		Hail (1.75)
Golfball size hail was reported from 2 miles southwest of Seward and 3 miles southeast of Seward into the town of Seward. The hail was associated with the supercell that produced the f4 tornado that caused damage southeast of town.								
Seward County								
1 N Ruby to .5 S Garland	13	1845CST 1912CST			0	2	1M	Tornado (F4)

A slow moving tornado tracked from south of Seward to just east of town with a total track length of 8 miles. The tornado was caught on film by several chasers. The tornado destroyed an entire farmstead and a propane and anhydrous ammonia tank farm and machine shed. Several vehicles were tumbled and tossed into a field across from the farm house. The tornado was at its maximum intensity at the farmstead it destroyed. Northeast of highway 34 the tornado struck several sheds and barns.

Storm Data and Unusual Weather Phenomena

									June 2001
	Time	Path	Path	Number of	Estimated				
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage	Property	Crops	Character of Storm
NEBRASKA, East									
Seward County									
3 E Beaver Crossing	13	1900CST			0	0			Hail (0.75)
Cuming County									
Wisner	13	1912CST			0	0			Hail (2.50)
The hail caused extensive crop damage near Wisner.									
Cuming County									
Wisner	13	1930CST			0	0			Thunderstorm Wind (G50)
Thunderstorm wind gusts caused tree damage near Wisner.									
Lancaster County									
2 W Agnew	13	1942CST			0	0			Tornado (F0)
This tornado was spawned by the same supercell that produced the f4 tornado near Seward. The tornado touched down briefly in an open field west of Agnew near the intersection of NW 140th and Ashland Road and was reported by law enforcement.									
Saunders County									
Weston	13	1955CST			0	0			Tornado (F0)
This brief touchdown of a tornado was produced by the same supercell that spawned the tornado near Seward. This one touched down in open country near Weston and apparently caused no damage.									
Saline County									
Western	13	2015CST			0	0			Hail (1.00)
Dodge County									
Fremont Arpt	13	2030CST			0	0			Thunderstorm Wind (G50) ^M
Measured at the Fremont AWOS. The thunderstorm gust was caused by the same supercell that earlier produced the tornadoes near Weston, Agnew and Seward. The strong winds downed tree limbs and power lines in Fremont and east of town knocking out power for part of town.									
Jefferson County									
1 NW Reynolds to 2 NNW Reynolds	13	2035CST 2051CST			0	0	400K		Thunderstorm Wind (G85)
This slow moving supercell earlier produced a tornado in the adjacent county in northern Kansas. In Nebraska, near Reynolds, most of the damage was apparently caused by straight line winds, possibly from the rear flank downdraft, estimated at close to 100 mph. The strong winds stripped corn nearly to the ground in this area, overturned center pivot irrigation systems and grain bins and did some outbuilding damage. The winds also uprooted trees which blocked Highway 8 in town.									
Dodge County									
Winslow	13	2040CST			0	0			Thunderstorm Wind (G55)
Thunderstorm wind gusts over 60 mph caused major tree damage in Winslow.									
Jefferson County									
7 NW Fairbury	13	2100CST			0	0			Hail (1.50)
Dodge County									
Ames	13	2120CST			0	0			Hail (1.75)
Saline County									
Western	13	2120CST			0	0			Hail (0.75)
Saunders County									
3 W Morse Bluff	13	2120CST			0	0			Hail (0.75)
Jefferson County									
1 SW Reynolds to 6 N Fairbury	13	2130CST 2140CST			0	0	500K		Thunderstorm Wind (G70)
An area of apparently straight line wind damage was reported from southwest of Fairbury to north of town. Grain bins were destroyed, roofs were damaged, cars thrown, trees were uprooted and power poles were snapped. This was the second slow moving supercell to track across Jefferson county this evening.									
Seward County									
1 S Cordova	13	2130CST			0	0			Hail (1.00)
Saunders County									
4 N Malmo	13	2200CST 2245CST			0	0	2K		Flash Flood
The same supercell that produced the brief tornado touchdown near Weston also dumped around 2 inches of rain over Saunders county in a short amount of time. This rain caused a normally nearly dry creek north of Malmo to flood. The flood waters swept a car with 4 people in it 200 feet downstream from the low maintenance road they were on. The road was marked with high water signs. Two of the people managed to escaped promptly, but the other two went under water a few times before either managing to make it to shore or being rescued by a neighbor who was summoned to help.									

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
NEBRASKA, East									
Cuming County									
Beemer	13	2250CST			0	0		Flash Flood	
	14	0100CST							
Heavy rain from thunderstorms produced flash flooding across the southwest part of highway 275 near Beemer.									
Douglas County									
Omaha	13	2300CST			0	0	12K	Lightning	
A lightning strike caused 12,000 dollars damage to an Omaha residence.									
Saline County									
2 SW Friend	13	2315CST			0	0	400K	Thunderstorm Wind (G70)	
A thunderstorm microburst with winds estimated at over 70 mph destroyed outbuildings and caused extensive tree and vehicle damage near Friend.									
Saline County									
Friend	13	2318CST			0	0		Hail (1.00)	
Saline County									
Wilber	14	0039CST			0	0		Hail (0.88)	
Douglas County									
Omaha	14	0140CST			0	0		Thunderstorm Wind (G60)	
A thunderstorm microburst downed trees and overturned 4 or 5 tractor trailer trucks. The damage was 4 to 5 miles south of Eppley Airfield.									
Washington County									
5 N Blair	14	0210CST 0320CST			0	0		Flash Flood	
Heavy rains caused flash flooding that briefly closed Highway 75 north of Blair. Flooding was also observed along Bell Creek near Arlington.									
Seward County									
5 NW Ruby	14	0213CST 0330CST			0	0		Flash Flood	
Heavy rain from several supercells that tracked across Seward county caused flash flooding over a bridge on Highway 15 south of Seward.									
NEZ088									
	Jefferson								
	14	0400CST			0	0		Flood	
	15	0500CST							
Rainfall of 3 to 5 inches fell across a large part of the Little Blue River basin Wednesday evening 6/13/01. The heavy rain caused the Little Blue River to flood closing several roads south of Fairbury. The river crested near Fairbury at 18.9 feet at 4pm CDT 6/14/01, flood stage is 15 feet. The river fell below flood stage early on the 15th.									
NEZ078									
	Saline								
	14	0500CST			0	0		Flood	
	18	0200CST							
Rainfall of 3 to 5 inches fell across much of the Turkey Creek and Big Blue River basins Wednesday 6/13/01. This caused Turkey Creek and the Big Blue River to flood in Saline county. Turkey Creek reached 15.9 feet at Wilber late on 6/14/01, flood stage is 11 feet. The Big Blue River at Crete crested at 21.5 feet at 8pm CDT on 6/16/0, flood stage is 18.0 feet. Although flood waters mainly affected low-lying fields, several county roads were washed out.									
NEZ089									
	Gage								
	15	1200CST			0	0		Flood	
	17	0200CST							
Rainfall of 3 to 5 inches on 6/13/01 caused the Big Blue river to flood from around Crete to Beatrice. At Beatrice the river crested at 18.8 feet at 7am on the 16th, flood stage is 16.0 feet. The flood mainly affected agricultural lowlands.									
Lancaster County									
Lincoln	17	2100CST 2120CST			0	0		Thunderstorm Wind (G60)	
Thunderstorms which tracked to the south of Lincoln, produced strong outflow winds some 20 or 30 miles north of the storms themselves. These winds broke large tree limbs, uprooted a few trees and blew out a picture window in Lincoln, mainly on the south part of town.									
Cass County									
Eagle to Nehawka	17	2140CST 2150CST			0	0		Thunderstorm Wind (G52)	
Trees were uprooted along highway 34 from Eagle to Nehawka by thunderstorm winds estimated at 55 to 60 mph. As was the case with the storms causing the damage in the Lincoln area, the winds were outflow from storms 20 to 30 miles to the south.									

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
NEBRASKA, East								
Otoe County								
Nebraska City	17	2205CST 2210CST			0	0		Thunderstorm Wind (G55)
Thunderstorm winds downed large tree limbs and power lines in Nebraska City. Again the damage was to the north of the storms.								
Nemaha County								
5 ESE Auburn	17	2259CST			0	0		Hail (0.75)
Saline County								
Dorchester	18	0000CST			0	0		Hail (0.75)
Butler County								
1 NW Bellwood	18	1752CST			0	0		Hail (0.88)
Burt County								
7 SW Decatur	18	1815CST			0	0		Hail (1.75)
Burt County								
Oakland	18	1815CST 1820CST			0	0		Hail (1.75)
Burt County								
4 W Tekamah	18	1836CST			0	0		Tornado (F0)
A brief tornado touchdown was reported west of Tekamah. The tornado did no damage.								
Burt County								
Tekamah	18	1844CST			0	0	10K	Thunderstorm Wind (G56) ^M
Asos at Tekamah measured a thunderstorm wind gust of 64 mph. These strong winds destroyed a barn east of town.								
Washington County								
Herman	18	1844CST			0	0		Thunderstorm Wind (G55)
Thunderstorm wind gusts estimated at over 60 mph caused extensive tree damage in Herman.								
Butler County								
3 SE Brainard	18	1900CST			0	0		Hail (0.75)
Seward County								
2 N Garland	18	1910CST			0	0		Hail (0.88)
Lancaster County								
3 NNE Raymond	18	1928CST			0	0		Hail (0.75)
Lancaster County								
Lincoln	18	1930CST 1940CST			0	0		Hail (1.25)
Lancaster County								
2 N Lincoln	18	1933CST			0	0		Hail (0.75)
Douglas County								
Omaha	18	1949CST			0	0		Hail (0.75)
Near 95th and Maple St.								
Lancaster County								
1 SW Lincoln Arpt	18	1954CST			0	0		Hail (1.00)
Douglas County								
Omaha	18	2000CST			0	0		Hail (0.88)
Near 85th and Blondo.								
Lancaster County								
Roca	18	2025CST			0	0		Hail (0.88)
Reported by cooperative observer.								
Saline County								
2 SW Western	18	2105CST			0	0		Hail (0.75)
Saline County								
Swanton	18	2118CST			0	0		Hail (0.75)
Saline County								
Swanton	18	2120CST			0	0		Hail (1.00)
Jefferson County								
Harbine	18	2155CST			0	0		Hail (0.75)
Saline County								
Dorchester	19	0000CST			0	0		Hail (0.75)
Stanton County								
7 N Stanton	26	0340CST			0	0		Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>NEBRASKA, East</u>							
Wayne County							
8 E Wayne to Wakefield	26	0350CST			0 0		Hail (1.75)
The hail caused extensive damage to windows, siding and screens in Wakefield.							
Cedar County							
2 N Laurel	26	0500CST			0 0		Hail (0.75)
Wayne County							
18 NW Wayne	30	2135CST			0 0		Hail (0.75)
<u>NEBRASKA, Extreme Northeast</u>							
NEZ013	Dixon						
	10	0035CST			0 0		High Wind (G52)
Non thunderstorm high winds were reported at Ponca.							
Dakota County							
South Sioux City	10	0110CST			0 0		Hail (0.75)
Dakota County							
Dakota City	13	1724CST 1725CST			0 0		Hail (1.00)
Large hail covered the ground.							
Dakota County							
Dakota City	13	1727CST			0 0		Hail (1.75)
Dakota County							
South Sioux City	13	1727CST			0 0		Hail (1.75)
Dixon County							
Wakefield	13	1735CST			0 0		Hail (0.88)
Dixon County							
2 NE Wakefield	13	1740CST			0 0		Hail (1.00)
Dixon County							
Allen	13	1811CST			0 0		Hail (0.75)
Dakota County							
3 W Homer	13	1830CST			0 0		Thunderstorm Wind (G52)
Dakota County							
Dakota City	13	1855CST			0 0		Hail (1.75)
Dakota County							
South Sioux City	13	1900CST			0 0	50K	Thunderstorm Wind (G57)
Thunderstorm winds cause tree and power line damage, including numerous trees blown down.							
<u>NEBRASKA, Extreme Southwest</u>							
Dundy County							
Parks	12	1850MST			0 0		Thunderstorm Wind (G52)
Four to Five inch diameter tree limbs down .							
Dundy County							
5 W Benkelman to Benkelman	13	1630MST 1643MST			0 0		Thunderstorm Wind (G70)
The strong winds did considerable damage between Parks and Benkelman. The damaging winds blew off a roof at a veterinary clinic. Also, trees were uprooted, numerous downed tree limbs, broken windows, downed poles and snapped power lines were observed.							
Dundy County							
2 E Benkelman	13	1650MST			0 0		Thunderstorm Wind (G52)
The strong winds blew down 4 to 6 inch diameter tree limbs.							
Hitchcock County							
Trenton	13	1735MST			0 0		Hail (0.75)
Hitchcock County							
Trenton	13	1735MST			0 0		Thunderstorm Wind (G57)
Red Willow County							
6 S Mc Cook	13	1825MST			0 0		Thunderstorm Wind (G57)
Red Willow County							
6 S Mc Cook	13	1825MST			0 0		Thunderstorm Wind (G75)
The strong winds combined with hail to produce crop damage to wheat and corn across southern Red Willow county.							
Dundy County							
14 NE Benkelman	29	1825MST			0 0		Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>NEBRASKA, Extreme Southwest</u>								
Dundy County								
Benkelman	29	1829MST			0	0		Thunderstorm Wind (G57) M
Hitchcock County								
10 E Palisade	29	1830MST			0	0		Hail (0.75)
Hitchcock County								
4.5 W Stratton	29	1832MST			0	0		Thunderstorm Wind (G52)
The strong winds blew a satellite dish off a house.								
Red Willow County								
Mc Cook Arpt	29	1853MST			0	0		Thunderstorm Wind (G50) M
<u>NEBRASKA, South Central</u>								
Harlan County								
Oxford	03	0325CST			0	0	40K	0 Thunderstorm Wind (G52)
Harlan County								
Alma	03	0355CST			0	0	60K	0 Thunderstorm Wind (G52)
Franklin County								
Macon	03	0400CST			0	0	0	0 Hail (0.75)
A quick moving storm passed across Harlan and Franklin counties early in the morning bringing high winds and hail. As many as 10 pivots were overturned in Harlan county, and power was lost for 6 hours in Stamford.								
Sherman County								
.5 E Hazard	11	1815CST			0	0	0	0 Hail (0.75)
Howard County								
4 N Farwell	11	1817CST			0	0	0	100K Hail (1.75)
Howard County								
1 W Elba	11	1820CST			0	0	0	100K Hail (1.75)
Valley County								
Ord	12	0315CST			0	0	0	0 Hail (0.88)
Fillmore County								
1 SE Fairmont	13	1720CST			0	0	0	75K Hail (1.00)
Fillmore County								
Fairmont	13	1738CST			0	0	10K	200K Hail (1.75)
Fillmore County								
Geneva	13	1738CST			0	0	10K	200K Hail (1.75)
York County								
3 E Mc Cool Jet	13	1745CST			0	0	0	0 Hail (0.75)
Fillmore County								
Geneva	13	1750CST			0	0	0	0 Hail (0.75)
Fillmore County								
Burress	13	1755CST			0	0	0	0 Hail (0.75)
Fillmore County								
2 W Exeter	13	1806CST			0	0	0	0 Hail (0.75)
Thayer County								
1 E Deshler	13	1845CST			0	0	0	0 Hail (0.75)
Thayer County								
6 SE Hubbell	13	1900CST			0	0	0	0 Hail (0.75)
Fillmore County								
2 SW Ohiowa	13	1905CST			0	0	10K	200K Hail (1.75)
Fillmore County								
2 W Fairmont	13	1935CST			0	0	0	75K Hail (1.00)
Thayer County								
Hubbell	13	1940CST			0	0	0	0 Hail (0.75)
Fillmore County								
Fairmont	13	1941CST			0	0	10K	75K Hail (1.00)
Fillmore County								
2 E Geneva	13	1941CST			0	0	0	0 Hail (0.75)
Dawson County								
5 N Farnam	13	1950CST			0	0	0	0 Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

		Time	Path	Path	Number of		Estimated		June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Property	Crops	Character of Storm	
<u>NEBRASKA, South Central</u>									
Thayer County									
3 E Davenport	13	1955CST			0	0	0	0	Funnel Cloud
York County									
Waco	13	1956CST			0	0	10K	75K	Hail (1.00)
Dawson County									
Cozad	13	2000CST			0	0	0	0	Hail (0.75)
Dawson County									
Gothenburg	13	2000CST			0	0	10K	75K	Hail (1.00)
York County									
Gresham	13	2000CST			0	0	20K	100K	Hail (1.25)
Thayer County									
4 E Hubbell to 9 S Gilead	13	2005CST 2010CST			0	0	500K	2M	Tornado (F1)
Brief tornado in Thayer county reported by the public									
Thayer County									
Hubbell	13	2007CST			0	0	150K	100K	Thunderstorm Wind (G65)
York County									
4 SE York	13	2015CST			0	0	0	0	Hail (0.75)
Furnas County									
4 S Wilsonville	13	2018CST			0	0	0	100K	Hail (1.00)
Furnas County									
3 NE Edison to 3.5 NE Edison	13	2025CST 2027CST			0	0	8K	0	Tornado (F0)
Brief tornado in Furnas county.									
Thayer County									
6 E Hubbell to 6.5 E Hubbell	13	2025CST 2027CST			0	0	0	0	Tornado (F0)
Brief tornado in Thayer county.									
Furnas County									
4 E Wilsonville	13	2030CST			0	0	20K	100K	Hail (1.25)
Fillmore County									
2 N Fairmont	13	2031CST			0	0	0	0	Tornado (F0)
Very brief tornado in Fillmore county									
Thayer County									
3 N Hubbell	13	2038CST			0	0	0	0	Hail (0.88)
Fillmore County									
5 W Geneva	13	2044CST			0	0	10K	200K	Hail (1.75)
Thayer County									
3 S Gilead	13	2045CST			0	0	0	0	Hail (0.88)
York County									
1 E York	13	2045CST			0	0	10K	200K	Hail (1.75)
Harlan County									
1 E Stamford	13	2046CST			0	0	10K	200K	Hail (1.75)
Fillmore County									
3 N Geneva	13	2050CST			0	0	0	100K	Hail (1.00)
Phelps County									
Atlanta	13	2050CST			0	0	20K	50K	Thunderstorm Wind (G65)
Fillmore County									
1 N Geneva	13	2054CST			0	0	0	0	Funnel Cloud
Thayer County									
Alexandria	13	2054CST			0	0	10K	100K	Hail (1.00)
Fillmore County									
Exeter	13	2103CST			0	0	10K	200K	Hail (1.75)
Franklin County									
Campbell	13	2130CST			0	0	0	0	Thunderstorm Wind (G52)
Webster County									
7 W Bladen	13	2130CST			0	0	0	0	Thunderstorm Wind (G52)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
NEBRASKA, South Central								
Webster County								
Blue Hill	13	2130CST			0	0	0	Hail (0.88)
Thayer County								
2 N Gilead to 5 N Gilead	13	2145CST 2150CST			0	0	0	500K Tornado (F0)
A brief tornado occurred north of Gilead.								
Adams County								
Ayr	13	2150CST			0	0	50K	1M Hail (3.00)
Adams County								
2 S Hastings	13	2155CST			0	0	0	Funnel Cloud
Nuckolls County								
Lawrence	13	2210CST			0	0	1.4M	3M Thunderstorm Wind (G80)
Nuckolls County								
6 E Lawrence	13	2220CST			0	0	0	Hail (0.88)
Fillmore County								
Geneva	13	2223CST			0	0	10K	100K Hail (1.00)
Clay County								
Edgar	13	2228CST			0	0	250K	1.5M Thunderstorm Wind (G61)
A wild night of weather struck south-central Nebraska with high winds, hail and tornadoes. Of the five tornadoes confirmed, the most damaging one occurred southeast of Hubbell. One farmstead sustained around one-half million dollars in damage, including losing several outbuildings, grain bins, and an exterior wall on the home. The other tornadoes were quite brief, but one did manage to produce minor damage on a farm in eastern Furnas county.								
Another area of widespread destruction occurred with straight-line winds in extreme southern Clay and northern Nuckolls counties. Winds estimated at 90 mph tore through grain bins, outbuildings, and trees. Major damage was had at a turkey farm near Lawrence. The damage extended east along State Highway 4 across northern Nuckolls county to the tune of over one million dollars. There were dozens of other reports of large hail across south-central Nebraska, which caused significant crop damage in some locations.								
Adams County								
Holstein	17	1815CST			0	0	10K	100K Hail (1.00)
Clay County								
2 NW Edgar	17	1830CST			0	0	100K	0 Lightning
Fillmore County								
Shickley	17	1930CST			0	0	0	0 Thunderstorm Wind (G55)
Fillmore County								
Ohiova	17	1945CST			0	0	0	0 Thunderstorm Wind (G52)
Thayer County								
5.5 NE Davenport	17	2029CST			0	0	0	0 Hail (0.75)
Clay County								
6 ESE Clay Center	17	2030CST			0	0	0	0 Hail (0.75)
Fillmore County								
Shickley	17	2042CST			0	0	10K	100K Hail (1.00)
Thayer County								
5.5 NE Davenport	17	2044CST			0	0	0	200K Hail (1.75)
Thunderstorms rolled across south-central Nebraska stirring up reports of large hail and strong winds. Aside from the wind and hail, the most significant report was lightning striking a farmhouse northwest of Edgar. The resulting fire caused 100 thousand dollars in damage. The family was home at the time, but no injuries were noted.								
Buffalo County								
Amherst	18	1713CST			0	0	0	0 Hail (0.75)
Hall County								
Grand Is Arpt	18	1830CST			0	0	0	0 Thunderstorm Wind (G51) M
Fillmore County								
Exeter	18	2246CST			0	0	0	0 Hail (0.75)
NEBRASKA, West								
Scotts Bluff County								
Mitchell	02	1936MST 1940MST			0	0		Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
NEBRASKA, West								
Kimball County								
7 SW Dix	07	1837MST 1841MST			0	0		Hail (2.75)
Kimball County								
10 SE Dix	07	1900MST 1904MST			0	0		Hail (1.00)
Kimball County								
5 E Bushnell	07	1930MST 1934MST			0	0		Hail (0.75)
Cheyenne County								
8 S Dalton	07	1941MST 1946MST			0	0		Hail (1.00)
Cheyenne County								
Brownson	07	2014MST 2018MST			0	0		Hail (0.75)
Cheyenne County								
Lorenzo	09	1826MST 1829MST			0	0		Hail (0.75)
Sioux County								
21 NE Harrison	12	1653MST 1657MST			0	0		Hail (1.25)
Dawes County								
12 NW Chadron	12	1713MST 1716MST			0	0		Tornado (F0)
Brief tornado reported by off-duty NWS personnel.								
Dawes County								
Box Butte Res	12	1809MST 1813MST			0	0		Hail (1.00)
Dawes County								
11 S Chadron	12	1825MST 1829MST			0	0		Hail (1.00)
Scotts Bluff County								
Minatare	12	2102MST 2106MST			0	0		Hail (0.88)
Box Butte County								
3 E Alliance	12	2210MST 2215MST			0	0	4K	Thunderstorm Wind (G52)
Estimated wind gusts around 60 mph. Unconfirmed tornado uprooted trees and removed a well-house roof. Storage shed also destroyed.								
Cheyenne County								
2 N Lorenzo	29	1732MST 1736MST			0	0		Hail (1.00)
Cheyenne County								
Lorenzo	29	1744MST 1748MST			0	0		Hail (0.75)
Scotts Bluff County								
12 NE Scottsbluff	30	1931MST 1935MST			0	0		Hail (1.00)
Scotts Bluff County								
2 NE Scottsbluff to 5 E Scottsbluff	30	1950MST 2000MST			0	0	40K	Hail (1.75)
Scotts Bluff County								
Scottsbluff	30	2010MST 2015MST			0	0	50K	Hail (2.00)
Scotts Bluff County								
8 S Scottsbluff	30	2043MST 2047MST			0	0		Hail (1.50)
Banner County								
9 NE Harrisburg	30	2053MST 2058MST			0	0		Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>NEVADA, North</u>								
Eureka County								
Eureka Arpt	22	1435PST 1438PST			0	0		Thunderstorm Wind (G53) M
White Pine County								
Ely Arpt	22	1813PST 1832PST			0	0		Thunderstorm Wind (G51) M
In Ely winds blew over a tree which fell on power lines and snapped power pole in half.								
<u>NEVADA, South</u>								
NVZ020 Las Vegas Valley								
13	1430PST				0	0		High Wind (G47) M
High winds caused a large tree to fall onto East Desert Inn Road blocking traffic for about an hour.								
NVZ020 Las Vegas Valley								
29	1300PST				1	0		Excessive Heat
A 5 month old boy died after being left in a car for more than 5 hours. Temperatures inside the car reached 140 degrees. MIVE								
<u>NEVADA, West</u>								
NONE REPORTED.								
<u>NEW HAMPSHIRE, North and Central</u>								
Rockingham County								
Salem	11	2000EST			0	0		Lightning
Lightning struck a home in Salem and ignited a fire that damaged the second story of the home. Smoke and water damage was also reported.								
Rockingham County								
Portsmouth	17	1430EST			0	0		Urban/Sml Stream Fld
Two to three inches of rain in a period of an hour or two overburdened storm drains causing flooding of some roadways, especially in areas of underpasses.								
Rockingham County								
Portsmouth	17	1605EST			0	0		Lightning
Lightning damaged a residential home for people with disabilities shortly after 5 pm on the 17th. The lightning blew a hole in the roof and broke several water pipes. Water from the pipes flooded three apartments.								
Merrimack County								
Henniker	20	1451EST			0	0		Hail (1.40)
Merrimack County								
Bow Center	20	1506EST			0	0		Hail (1.00)
Merrimack County								
Hooksett	20	1516EST			0	0		Hail (1.00)
Merrimack County								
Suncook	20	1520EST			0	0		Hail (1.00)
Merrimack County								
Allenstown	20	1524EST			0	0		Hail (1.00)
Strafford County								
Barrington	20	1545EST			0	0		Hail (1.00)
Strafford County								
Rochester	20	1545EST			0	0		Lightning
Rockingham County								
Nottingham	20	1548EST			0	0		Thunderstorm Wind (G50)
Strafford County								
Durham	20	1600EST			0	0		Thunderstorm Wind (G50)
Strafford County								
Lee	20	1600EST			0	0		Thunderstorm Wind (G50)
Scattered severe thunderstorms across the southern portion of the state produced gusty, damaging winds and large hail. The winds downed trees onto power lines leaving an estimated 7200 customers without power. Numerous downed trees were reported in Nottingham, and downed trees also closed roads between Durham and Lee. Lightning struck a home in Rochester and ignited a fire that destroyed a new modular addition to the home.								
<u>NEW HAMPSHIRE, Southern</u>								
Cheshire County								
Alstead	20	1435EST			0	0		Hail (1.00)

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

NEW HAMPSHIRE, Southern

Hillsborough County

Weare	20	1500EST			0	0		Hail (1.00)
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Hillsborough County

Antrim to Bennington	20	1521EST 1526EST			0	0		Hail (1.75)
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Severe thunderstorms dropped quarter sized hail in Alstead and Weare, and golf ball sized hail in Bennington.

Cheshire County

Swanzy	30	1512EST			0	0		Thunderstorm Wind (G50)
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Hillsborough County

Litchfield	30	1635EST			0	0		Thunderstorm Wind (G50)
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Severe thunderstorms downed large limbs on Route 32 in Swanzy, and downed trees and wires in Litchfield.

NEW JERSEY, Northeast

Union County

Elizabeth	11	1845EST			0	0		Hail (0.75)
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Union County

Elizabeth	11	1920EST			0	0		Lightning
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Essex County

West Caldwell	11	2137EST			0	0		Hail (0.75)
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Hudson County

Kearny	11	2146EST			0	0		Thunderstorm Wind (G50)
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Bergen County

Ridgefield	11	2159EST			0	0		Thunderstorm Wind (G50)
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During Monday evening, June 11th, a surface trough moved east across New Jersey, propelled by a potent disturbance in the middle and upper levels of the atmosphere. This triggered clusters of strong to locally severe thunderstorms across portions of northern New Jersey. Damaging winds downed trees and power lines across portions of northern New Jersey, and heavy rains caused areas of flooding on roadways and in low-lying areas. Numerous cloud to ground lightning strikes also accompanied these thunderstorms. In Union County, lightning struck a chimney on a house in Elizabeth, causing an unknown amount of property damage.

Bergen County

Hillsdale	17	0200EST			0	0		Lightning
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Around 3 am EDT, a house in Hillsdale was struck by lightning. The Woodcliff Lake Fire Department took around 30 minutes to gain control of this fire. Damage occurred to the roof and to the attached garage. Cost estimates of the property damage were unknown.

Passaic County

Countywide	17	0230EST 1200EST			0	0		Urban/Sml Stream Fld
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Essex County

West Caldwell	17	0254EST 1200EST			0	0		Flash Flood
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Bergen County

Westwood	17	0310EST 1230EST			0	0		Flash Flood
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Union County

Countywide	17	0410EST 0700EST			0	0		Flash Flood
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On Sunday, June 17th, abundant moisture from the remnants of tropical storm Allison, combined with a cold front approaching from the west, produced extremely heavy rainfall across much of northern New Jersey during the early morning hours. Rainfall rates of up to 4 inches per hour produced widespread street and highway flooding, in addition to flash flooding of numerous small streams. Many rivers approached or even slightly exceeded flood stage during this heavy rain event.

The heaviest rainfall fell from around 3 AM through around 6 AM Sunday morning. The area of heaviest rain shifted slowly northeast, beginning first across portions of Union and Essex Counties, then shifting into Bergen County.

The following is a summary of major streams and rivers that either approached or exceeded flood stage:

In Essex County: The Peckman River at Verona exceeded its flood stage of 3.5 feet at 3:54 AM EDT, crested at 4:00 AM at 3.7 feet, and then dropped below flood stage at 4:12 AM.

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

NEW JERSEY, Northeast

In Bergen County: The Saddle River at Ridgewood exceeded its flood stage of 6.0 feet at 9:55 AM EDT, crested at 6.27 feet at 10:30 AM EDT, and then dropped below flood stage at 11:16 AM EDT. In addition, the Saddle River at Lodi crested at 5.86 feet at 2:15 PM EDT, remaining just below its flood stage of 6.0 feet.

In Union County: The Rahway River at Springfield first crested at 5.41 feet at 5:30 AM EDT, and then crested again at 1:15 PM EDT, at 5.10 feet. These levels remained just below the flood stage of 5.5 feet.

Many homes and businesses were directly impacted by the flooding that occurred, particularly from 3 AM through 5:30 AM. In West Caldwell (Essex County), numerous homes needed pumping due to small streams overflowing their banks. Several houses and businesses had over one foot of water flowing through them. In addition, several cars in parking lots were more than halfway submerged in nearly 3 feet of water. In Fairfield (Essex County), widespread severe flooding led to mandatory evacuations, with several shelters opening during the pre-dawn hours.

Here are some rainfall amounts that occurred:

In Essex County: From 0.75 inches at Newark, to 5.59 inches at Caldwell Airport.

In Bergen County: From 1.05 inches at Teterboro, to 4.57 inches at Montvale.

In Passaic County: From 1.22 inches at Charlottesburg, to 3.54 inches at Wayne.

In Union County: From 2.08 inches at Cranford, to 2.82 inches at Plainfield.

Bergen County

Mahwah	23	1300EST	0	0	Urban/Sml Stream Fld
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Bergen County

Mahwah	23	1503EST 1702EST	0	0	Flood
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On Saturday June 23rd, a slow moving cold front approached northern New Jersey from the west. A weak low pressure wave developed on the front, and spread abundant showers and thunderstorms across portions of northern New Jersey during Saturday afternoon. Widespread heavy rainfall occurred across northern New Jersey, triggering numerous areas of urban and low lying flooding. These heavy rains also led to rises on area rivers and streams. In Bergen County, the Hohokus Brook at Hohokus briefly reached its' flood stage of 3.0 feet around 7:10 PM Saturday evening, before falling back below flood stage by 8 PM.

NEW JERSEY, South and Northwest

Mercer County

Countywide	01	1300EST	0	0	Heavy Rain
	02	0200EST			

Hunterdon County

Countywide	01	1500EST	0	0	Heavy Rain
	02	0400EST			

Morris County

Countywide	01	1600EST	0	0	Heavy Rain
	02	0600EST			

Middlesex County

Countywide	01	1700EST	0	0	Heavy Rain
	02	0700EST			

NJZ010

Somerset

	02	0520EST	0	0	Flood
	03	0800EST			

Heavy rain fell across Mercer County and the Raritan and Passaic River Basins in the northern half of New Jersey. The heavier rain spread across the region during the afternoon of the 1st and ended during the morning of the 2nd. Storm totals averaged between 1.5 and 2.75 inches with lesser amounts (around an inch) across the rest of the northern two-thirds of New Jersey. Some poor drainage flooding occurred, but most major streams and rivers remained within their banks. No serious damage was reported. The Millstone River at Griggstown (Somerset County) exceeded its 9 foot flood stage from 620 a.m. EDT on the 2nd through 9 a.m. EDT on the 3rd. It crested at 10.1 feet at 5 p.m. EDT on the 2nd. Subsequently, the Griggstown Causeway was closed over the Millstone River in Franklin Township. Storm totals included 2.80 inches in Chatham (Morris County), 2.62 inches in Belle Mead (Somerset County), 2.43 inches in Pottersville (Somerset County), 2.23 inches in Trenton (Mercer County), 2.08 inches in New Brunswick (Middlesex County), 2.07 inches in Washington's Crossing (Mercer County), 2.00 inches in Blackwells Mills (Somerset County), 1.89 inches in Flemington (Hunterdon County), 1.75 inches in Wertsville (Hunterdon County) and 1.58 inches in Iselin (Middlesex County). A warm front over the Ohio Valley on the morning of the 1st moved into New Jersey the morning of the 2nd. A low pressure system developed on the frontal boundary's triple point (the conjunction of the occluded, warm and cold fronts) over Eastern Pennsylvania by

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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NEW JERSEY, South and Northwest

the morning of the 2nd. Heavier rain fell to the north of this low center across much of the northern half of New Jersey.

Burlington County

5 NE Wading River	10	1330EST			0	0		Wild/Forest Fire
	11	1100EST						

Ocean County

1 W Warren Grove	10	1330EST			0	0		Wild/Forest Fire
	11	1100EST						

A wildfire, started by a twenty-five pound practice bomb, burned about 1,600 acres of pygmy pines before it was placed under control. The fire threatened, but never damaged, homes in the Warren Grove area of Ocean County. The fire was first spotted about 245 p.m. EDT on the 10th. The warm, dry and windy conditions that day helped spread the fire quickly. It burned along the pygmy pine trees near County Route 539 in both Bass River (Burlington County) and Stafford Townships. The county route as well as Exit 58 of the Garden State Parkway were closed for several hours during the afternoon and early evening of the 10th. The fire threatened about 70 homes in the Warren Grove area of Stafford Township (Ocean County). It was contained at County Route 539 before it reached the homes the evening of the 10th and was under control the morning of the 11th. About 1,600 acres were burned, mainly pygmy pine trees on state and federal land south of New Jersey State Route 72 and west of County Route 539.

Camden County

Merchantville	11	2200EST			0	0	0	Hail (0.75)
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Burlington County

Maple Shade	11	2200EST			0	0	0	Hail (0.75)
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Burlington County

Mt Holly to Unionville	11	2215EST			0	0		Thunderstorm Wind (G50)
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A severe thunderstorm knocked down several large trees in Mount Holly and Eastampton Township. In Mount Holly, downed trees forced the closure of Garden and Branch Streets overnight. A downed tree tore away the sidewalk on Garden Street, another damaged a swing set on Jacksonville Road. Elsewhere in the county, a 51 mph wind gust was measured by a spotter in Moorestown. Pea to penny size hail fell from Willingboro and Lumberton west through Maple Shade.

Somerset County

Green Knoll	11	2200EST 2230EST			0	0	75K	0 Lightning
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Somerset County

Mt Bethel	11	2200EST			0	0	10K	0 Lightning
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Thunderstorms produced two damaging lightning strikes in the county during the late evening of the 11th. Lightning struck the chimney of a Franklin Township townhouse. It started a fire that tore through the roof and second floor. The townhouse's occupant and the three adjacent homes were evacuated. No serious injuries were reported, but extensive damage occurred to the second floor of the struck townhouse. Lightning struck the backup radio tower in Warren County. The surge went through the antenna lines and damaged the phone and radio equipment. Some computers and answering machines were also damaged.

Middlesex County

South Plainfield	11	2230EST			0	0	200K	0 Lightning
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Lightning struck an auto body shop in South Plainfield and blew a 10 foot by 10 foot section off the brick facade off the building and ignited the wood subroof. The fire spread across the inside of the roof and took 35 firefighters an hour to get under control. Ten vehicles in the shop sustained heat, smoke, water and falling debris damage. The auto body shop itself suffered extensive damage.

Cumberland County

3 E Roadstown to Millville	11	2320EST			0	0		Thunderstorm Wind (G56)
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Cumberland County

Cedarville	11	2355EST			0	0		Hail (0.88)
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Cumberland County

Cedarville	11	2355EST			0	0		Thunderstorm Wind (G52)
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A pair of severe thunderstorms knocked down numerous trees and wires across Cumberland County. The first storm went across the northern part of the county and caused wind damage from Hopewell Township east to Millville. The worst damage was reported in Hopewell Township where an irrigation system was blown over and shingles were torn from roofs. The second severe storm moved across the southern part of the county hitting the Cedarville area the hardest. In addition to 60 mph wind gusts, nickel size hail also fell. Conectiv Energy reported 16,200 customers lost power in Gloucester, Salem and Cumberland Counties.

Middlesex County

East Brunswick	11	2330EST			0	0	10K	0 Lightning
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Lightning struck an aluminum fence that formed a border between two homes. The strike ran along the fence, split and struck the two homes. The surge blew off the electrical meter from the first home and caused the wood under the aluminum siding to smolder. The siding was pulled off to extinguish the wood. The second home only suffered minor damage. No injuries were reported.

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

NEW JERSEY, South and Northwest

Morris County

East Portion

**17 0230EST
0400EST 0 0 0 Flood**

Showers and thunderstorms associated with the remnants of Tropical Storm Allison dropped heavy rain across Morris County, particularly the eastern half of the county during the early morning of the 17th. Nearly three inches of rain fell in one hour between 245 a.m. EDT and 345 a.m. EDT. The torrential downpours led to small stream flooding as well as urban and poor drainage flooding. Because the downpours fell early on a Sunday morning, no serious injuries were reported. Storm totals included 5.61 inches in Lincoln Park, 5.27 inches in Chatham and 4.55 inches in Pequannock.

Hunterdon County

Countywide

**17 0600EST
0900EST 0 0 Flood**

The remnants of Tropical Storm Allison produced showers and thunderstorms with heavy rain during the morning of the 17th. This caused small stream and poor drainage flooding in the county, but no serious injuries were reported. Storm totals included 4.33 inches in Wertsville, 3.68 inches in Flemington and 3.40 inches in Sidney. The low pressure system that was the remnants of Tropical Storm Allison, was very persistent and slow moving. It moved from northeast North Carolina the afternoon of the 15th to near Norfolk the morning of the 16th to the Virginia Capes during the afternoon of the 16th and just east of Atlantic City during the morning of the 17th.

Gloucester County

Countywide

**17 0800EST
1100EST 0 0 Flood**

The remnants of Tropical Storm Allison produced showers and thunderstorms with heavy rain during the morning of the 17th. Some brief heavy downpours also fell during the afternoon and early evening of the 16th. The heavy rain caused small stream and poor drainage flooding in the county, but no serious injuries were reported. Storm totals included 4.40 inches in Verga, 4.14 inches in West Deptford and 2.69 inches in Monroeville. The low pressure system that was the remnants of Tropical Storm Allison, was very persistent and slow moving. It moved from northeast North Carolina the afternoon of the 15th to near Norfolk the morning of the 16th to the Virginia Capes during the afternoon of the 16th and just east of Atlantic City during the morning of the 17th.

Mercer County

Countywide

**17 0815EST
1630EST 0 0 Flood**

The remnants of Tropical Storm Allison produced showers and thunderstorms with heavy rain during the morning of the 17th. This caused small stream and poor drainage flooding in the county, but no serious injuries were reported. Several roads were closed in Trenton, Princeton and Hamilton Townships. The Assunpink Creek at Trenton reached its 7 foot flood stage from 915 a.m. EDT through 518 p.m. EDT on the 17th. It crested at 8.57 feet at 150 p.m. EDT. Storm totals included 3.51 inches in Princeton, 2.16 inches in Hightstown and 2.13 inches in Hamilton Square. The low pressure system that was the remnants of Tropical Storm Allison, was very persistent and slow moving. It moved from northeast North Carolina the afternoon of the 15th to near Norfolk the morning of the 16th to the Virginia Capes during the afternoon of the 16th and just east of Atlantic City during the morning of the 17th.

Somerset County

Countywide

**17 0815EST
18 1600EST 0 0 Flood**

The remnants of Tropical Storm Allison produced showers and thunderstorms with heavy rain during the morning of the 17th. This caused small stream and poor drainage flooding in the county and led to flooding along parts of the Millstone River. No serious injuries were reported. Several roads were closed in the county. The Millstone River at Griggstown reached its 10 foot flood stage from 1145 a.m. EDT on the 17th through 5 p.m. EDT on the 18th. It crested at 10.9 feet at Midnight EDT on the 18th. Storm totals included 4.05 inches in Neshanic, 2.65 inches in Blackwells Mills, 2.41 inches in Belle Mead and 2.34 inches in Somerville. The low pressure system that was the remnants of Tropical Storm Allison, was very persistent and slow moving. It moved from northeast North Carolina the afternoon of the 15th to near Norfolk the morning of the 16th to the Virginia Capes during the afternoon of the 16th and just east of Atlantic City during the morning of the 17th.

Middlesex County

Countywide

**17 0815EST
1100EST 0 0 Flood**

The remnants of Tropical Storm Allison produced showers and thunderstorms with heavy rain during the morning of the 17th. This caused small stream and poor drainage flooding in the county. No serious injuries were reported. The Lawrence Brook flooded in Middlesex Borough. Several underpasses were impassable in Metuchen. Storm totals included 3.39 inches in New Brunswick and 2.46 inches in Iselin. The low pressure system that was the remnants of Tropical Storm Allison, was very persistent and slow moving. It moved from northeast North Carolina the afternoon of the 15th to near Norfolk the morning of the 16th to the Virginia Capes during the afternoon of the 16th and just east of Atlantic City during the morning of the 17th.

Monmouth County

Countywide

**17 0830EST
1300EST 0 0 Flood**

The remnants of Tropical Storm Allison produced showers and thunderstorms with heavy rain during the morning of the 17th. This caused small stream and poor drainage flooding in the county with several major roadways closed. No serious injuries were reported. Hardest hit areas included Neptune City, Neptune Township and Middletown Township. Portions of New Jersey State Routes 34, 35,

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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NEW JERSEY, South and Northwest

36 and 66 were closed throughout the county. Several motorists were rescued from trapped vehicles. In Sea Bright, all of Ocean Avenue was under water. In Long Branch, over 6 feet of water accumulated in railroad underpasses. Storm totals included 7.29 inches in Neptune, 4.86 inches in Howell and 3.65 inches in Belmar. The low pressure system that was the remnants of Tropical Storm Allison, was very persistent and slow moving. It moved from northeast North Carolina the afternoon of the 15th to near Norfolk the morning of the 16th to the Virginia Capes during the afternoon of the 16th and just east of Atlantic City during the morning of the 17th.

Camden County Countywide

17 0900EST 1300EST 0 0 Flood

The remnants of Tropical Storm Allison produced showers and thunderstorms with heavy rain during the morning of the 17th. This caused small stream and poor drainage flooding in the county and led to flooding along parts of the Cooper River. No serious injuries were reported. The Cooper River at Haddonfield was above its 2.8 foot flood stage from 1014 a.m. EDT through 2 p.m. EDT on the 17th. It crested at 2.87 feet at Noon EDT on the 17th. Storm totals included 2.75 inches in Pennsauken and 2.35 inches in Cherry Hill. The low pressure system that was the remnants of Tropical Storm Allison, was very persistent and slow moving. It moved from northeast North Carolina the afternoon of the 15th to near Norfolk the morning of the 16th to the Virginia Capes during the afternoon of the 16th and just east of Atlantic City during the morning of the 17th.

Atlantic County Countywide

17 0920EST 1200EST 0 0 Flood

The remnants of Tropical Storm Allison produced showers and thunderstorms with heavy rain during the morning of the 17th. This caused small stream and poor drainage flooding in the county. Gusty winds also knocked down weak tree limbs and wires. Both the Black Horse (U.S. Routes 40 & 322) and the White Horse (U.S. Route 30) Pikes were closed between the mainland and Atlantic City. In Ventnor, emergency service personnel were pushing vehicles from waist high water. There were other road closures in Egg Harbor and Galloway Townships. The flooding was so severe in Galloway Township, that the Absecon Estates development became an island. About 13,000 Conectiv customers lost power. Storm totals included 4.60 inches in Absecon, 4.00 inches in Margate, 3.74 inches in Estell Manor and 3.51 inches at the Atlantic City Marina. The peak wind gust at the Atlantic City Marina was 44 mph and at the International Airport it was 41 mph. The low pressure system that was the remnants of Tropical Storm Allison, was very persistent and slow moving. It moved from northeast North Carolina the afternoon of the 15th to near Norfolk the morning of the 16th to the Virginia Capes during the afternoon of the 16th and just east of Atlantic City during the morning of the 17th.

Ocean County Countywide

17 0930EST 18 0300EST 0 0 Flood

The remnants of Tropical Storm Allison produced showers and thunderstorms with heavy rain during the morning of the 17th. This caused small stream and poor drainage flooding in the county with the worst reported flooding near and along the shore. No serious injuries were reported. In Point Pleasant Beach, six roadways were closed including New Jersey State Route 35. New Jersey State Route 35 was also closed in Ship Bottom where the flooding was described as severe. There were several water rescues including one of an elderly woman in Ortley Beach. The heavy downpours and gusty winds knocked down some weakened trees and caused isolated power outages. The North Branch of the Metedeconk River at Lakewood reached its 7 foot flood stage at 430 p.m. EDT on the 17th, crested at 8 feet at 10 p.m. EDT on the 17th and was back within bankfull at 340 a.m. EDT on the 18th. Storm totals included 8.10 inches in Tuckerton, 3.50 inches in Manahawkin and 2.65 inches in Bayville. The low pressure system that was the remnants of Tropical Storm Allison, was very persistent and slow moving. It moved from northeast North Carolina the afternoon of the 15th to near Norfolk the morning of the 16th to the Virginia Capes during the afternoon of the 16th and just east of Atlantic City during the morning of the 17th before accelerating faster offshore.

Burlington County

Batsto

21 1300EST 0 0 Hail (0.75)

Gloucester County

Mantua

21 1415EST 0 0 0 Lightning

Gloucester County

1 S Swedesboro

21 1415EST 0 0 0 Lightning

Lightning struck two homes in Gloucester County. The homes were in Mantua and Woolwich Townships.

Gloucester County

Swedesboro

21 1425EST 0 0 Thunderstorm Wind (G50)

A severe thunderstorm knocked down trees in Swedesboro and wires in several locations throughout the county. Because of flooding, winds and lightning about 4,000 Conectiv customers lost power in Salem, Gloucester and Camden Counties.

Gloucester County

Harrisonville to Mt Royal

21 1430EST 1700EST 0 0 Urban/Sml Stream Fld

Salem County

Northeast Portion

21 1500EST 1730EST 0 0 Flash Flood

The same thunderstorms that initially brought severe weather to southwestern Gloucester County and northeastern Salem County

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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NEW JERSEY, South and Northwest

moved so slowly that they also caused flooding in both counties. The hardest hit locations were along the State Route 45 corridor in both counties. In Gloucester County, the worst flooding occurred in East Greenwich Township, South Harrison Township, Swedesboro Borough and Woolwich Township. Sections of State Route 45 were washed out in South Harrison Township. Doppler Radar Storm total estimates reached between 3 and 4 inches. In Salem County, the worst flooding occurred in Pilesgrove Township, Upper Pittsgrove Township and Woodstown Borough. Doppler Radar Storm Total estimates ranged between 2 and 4 inches. Flooding occurred along several creeks including the Salem Creek and tributaries to Oldmans Creek. State Route 45 took the brunt of the damage also. Creek flooding caused the state route to buckle and wash out in several locations. One lane of County Route 617 was also washed away. All roads were repaired and reopened on the 22nd.

Salem County

Woodstown

21 1445EST 0 0 Thunderstorm Wind (G52)

A severe thunderstorm knocked down many branches and several trees in Pilesgrove Township and Woodstown Borough. The Laurel Hills and Marlton Road areas were hit the hardest in Woodstown. Two houses were damaged by downed trees. Conectiv Energy reported 4,000 customers lost power in Salem, Gloucester and Camden Counties because of the thunderstorms.

NJZ008>010-012>026

Morris - Hunterdon - Somerset - Middlesex - Western Monmouth - Eastern Monmouth - Mercer - Salem - Gloucester - Camden - Burlington - Western Ocean - Cumberland - Western Atlantic - Western Cape May - Eastern Cape May - Eastern Atlantic - Eastern Ocean

26 1100EST 0 0 Excessive Heat
30 2359EST

A large ridge of high pressure both at the surface and aloft along the western Atlantic Ocean produced six consecutive days of heat and increasing humidity across most of New Jersey from June 26th through July 1st. A westerly surface flow even pushed shore areas into the record breaking 90s on the 27th and 28th. A cold front broke the excessive heat with strong to severe thunderstorms on July 1st. High temperatures reached into the mid 90s and combined with the humid air mass produced afternoon heat indices of around 100 degrees, especially in urban centers in the southwest part of the state. The excessive heat caused Interstate 80 to buckle in Morris County near Parsippany on the 30th. June 28th and 30th were the hottest days for most locations. Highest temperatures included 96 degrees in New Lisbon (Burlington County), 95 degrees in Sandy Hook (Monmouth County) and Pennsauken (Camden County), 94 degrees at both the Atlantic City State Marina and the International Airport, Lumberton (Burlington County) and West Deptford (Gloucester County), 93 degrees in Mount Holly (Burlington County), Trenton (Mercer County) and Wildwood (Cape May County), 92 degrees in Millville (Cumberland County), Chatham (Morris County) and New Brunswick (Middlesex County) and 91 degrees in Somerville (Somerset County). At the Atlantic City State Marina, the high temperature of 94 degrees on the 28th set a new record for the date. The high temperature of 91 degrees the previous day tied the record for the date.

Hunterdon County

Anthony to Oldwick

29 1830EST 0 1 Thunderstorm Wind (G52)

A severe thunderstorm knocked down numerous trees and wires across the northern tier of Hunterdon County. Wind damage was reported in Lebanon and Tewksbury Townships and Califon Borough. One person was injured when a tree smashed through the windshield of his car in Califon.

Ocean County

Island Beach

30 1220EST 1 1 0 0 Lightning

A 22-year-old man was struck and killed by lightning while tossing a football with his friend on the beach at Island Beach State Park in section A-15. His friend (23-year-old man) was also injured by the same bolt, but suffered only minor burns. The thunderstorm (and lightning bolt) that killed the man developed east of the beach over the nearby Atlantic. The sun was shining on the beach when he was struck and killed. M22OU

Morris County

Morristown

30 1820EST 0 0 0 Thunderstorm Wind (G50)

A severe thunderstorm knocked down dozens of trees in Morris Township and Morristown. In Morristown, large trees were knocked down on five streets and blocked one. A pole was also snapped and a garage damaged by a downed tree. In Morris Township, a Fox Chase Lane homeowner lost a dozen trees to the severe thunderstorm. Downed trees also damaged a patio and a chimney elsewhere in the township.

Sussex County

Tranquility to Hopatcong

30 2140EST 0 0 Thunderstorm Wind (G50)

A severe thunderstorm knocked down several trees and wires across southeastern Sussex County. The storm intensified to severe status as it moved across the southeast part of the county. A SKYWARN Spotter reported estimated wind gusts of around 50 mph as it entered the county near Green Township from Warren County.

Morris County

Boonton to Florham Park

30 2200EST 0 0 Thunderstorm Wind (G50)
2210EST

The second severe thunderstorm of the evening knocked down trees, tree limbs and power lines, mainly in the eastern part of the county and affected Morris Township and Morristown again. About 3,700 customers lost power in Boonton, Florham Park, Morristown and Whippany. In Morris Township, the severe thunderstorm knocked down trees onto vehicles and boats in the Cromwell Hills development.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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NEW JERSEY, South and Northwest

Somerset County

Blawenburg to Manville Kupper Arpt **30** **2252EST** **0** **0** **Thunderstorm Wind (G50)**

A severe thunderstorm knocked down several trees and wires in Hillsborough and Montgomery Townships in southern Somerset County.

Middlesex County

Central Portion **30** **2306EST**
2312EST **0** **0** **Thunderstorm Wind (G50)**

Middlesex County

East Brunswick **30** **2306EST** **0** **0** **0** **Lightning**

A severe thunderstorm knocked down trees in East Brunswick Township and Sayreville Borough. One tree fell onto and damaged a home in Sayreville. Lightning from the same severe thunderstorm also struck a home in East Brunswick. No serious injuries were reported.

NEW MEXICO, Central and North

Santa Fe County

9 W Lamy **07** **1510MST** **0** **0** **Hail (0.88)**

Santa Fe County

5 N Lamy **07** **1520MST** **0** **0** **Hail (0.75)**

Colfax County

Abbott **07** **1730MST** **0** **0** **Hail (1.75)**

San Miguel County

Conchas Dam **07** **1745MST** **0** **0** **Hail (0.75)**

San Miguel County

5 W Conchas Dam **07** **1752MST** **0** **0** **Thunderstorm Wind (G60)**

Harding County

9 N Mills **07** **1755MST** **0** **0** **Hail (0.75)**

San Miguel County

2 SE Romeroville **08** **1615MST**
1635MST **0** **0** **Hail (1.00)**

One inch hail accumulated 3-5 inches deep on Highway 84.

Quay County

1 SE Tucumcari **08** **1845MST** **0** **0** **Hail (0.88)**

NMZ008

Westcentral Mountains

13 **1900MST** **0** **0** **3K** **High Wind (G36)** ^M

Three power poles broke during gusty, early evening winds along State Road 53 south of Grants. Residents of San Rafael, Zuni Canyon and parts of Grants were without power until the next morning. Peak gusts of 38 to 43 mph were reported at Grants and Gallup during this period.

Bernalillo County

Albuquerque Intl Arpt **19** **1934MST** **0** **0** **Thunderstorm Wind (G53)** ^M

Santa Fe County

15 SW Santa Fe **19** **2020MST** **0** **0** **Hail (0.75)**

San Miguel County

5 N Trementina **20** **1610MST** **0** **0** **Hail (0.75)**

San Miguel County

Mineral Hill **21** **1745MST** **0** **0** **Hail (1.75)**

Guadalupe County

10 E Dilia **23** **1545MST** **0** **0** **Hail (0.88)**

NEW MEXICO, South Central and Southwest

Dona Ana County

2 E Las Cruces to 2.3 E Las Cruces **19** **1435MST**
1450MST **0** **0** **0** **0** **Tornado (F0)**

A weak tornado (landspout), which began as a dust devil that eventually moved under a developing thunderstorm, stayed on the ground for 15 minutes just east of Las Cruces. It remained over open country but was observed by thousands. Unrelated wind damage from 45 mph thunderstorm outflow elsewhere in the city was falsely attributed to this landspout.

NEW MEXICO, Southeast

Eddy County

Carlsbad **23** **1650MST** **0** **0** **3K** **Thunderstorm Wind**

Power lines blown down.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>NEW MEXICO, Southeast</u>								
Lea County								
Hobbs	23	1808MST			0	0		Hail (0.75)
Lea County								
Hobbs	23	1808MST			0	0		Thunderstorm Wind (G52)
Lea County								
Hobbs	23	1817MST			0	0		Hail (1.75)
Lea County								
Hobbs	23	1840MST			0	0	7K	Thunderstorm Wind
								Power poles and trees blown down. Power knocked out to much of city.
Lea County								
Hobbs	23	1851MST			0	0		Flash Flood
		2200MST						
								Water up to three feet deep in city streets.
								Afternoon thunderstorms developed over the mountains of Southeast New Mexico and became severe by evening after they moved onto the plains. At least one of these storms developed into a supercell that produced damaging wind and golfball size hail.
<u>NEW YORK, Central</u>								
Oneida County								
Rome	11	1432EST			0	0		Lightning
								Newspaper reports indicate a house was struck by lightning on Westbrook Drive, causing a small fire in the attic.
Chenango County								
Pitcher	11	1535EST			0	0		Thunderstorm Wind (G50)
								Local media reported several trees down from thunderstorm winds.
Chenango County								
Smithville Center	11	1540EST			0	0		Thunderstorm Wind (G50)
								Emergency management reported trees and wires blown down by thunderstorm winds along Route 220.
Chenango County								
Brisben to Oxford	11	1545EST			0	0		Thunderstorm Wind (G50)
								Emergency management reported trees and wires blown down by thunderstorm winds on Hobin, Ingram, Williams, and Wilcox roads.
Chenango County								
Guilford	11	1555EST			0	0		Thunderstorm Wind (G50)
								Emergency management reported trees and wires blown down by thunderstorm winds. Some hail was also reported.
Tioga County								
Apalachin	11	1600EST			0	0		Hail (0.75)
								SKYWARN storm spotters reported 3/4 inch diameter hail in Apalachin.
Tioga County								
Tioga Center	11	1601EST			0	0		Thunderstorm Wind (G50)
								Emergency management reported trees and wires blown down by thunderstorm winds on Kings Cross Road, 3 miles north of Tioga Center.
Chenango County								
Mt Upton	11	1605EST			0	0		Thunderstorm Wind (G50)
								Emergency management reported several trees blown down by thunderstorm winds.
Otsego County								
Richfield Spgs	11	1605EST			0	0		Thunderstorm Wind (G50)
								Emergency management reported several trees blown down by thunderstorm winds.
Tioga County								
Apalachin	11	1605EST			0	0		Thunderstorm Wind (G50)
								Emergency management reported several trees blown down by thunderstorm winds.
Chenango County								
Rockdale	11	1606EST			0	0		Tstm Wind/Hail
								SKYWARN storm spotters reported small hail.
Tioga County								
Tioga Terrace	11	1610EST			0	0		Thunderstorm Wind (G50)
								Residents reported several large trees blown down by thunderstorm winds.
Oneida County								
Rome	11	1613EST			0	0		Lightning
								Newspaper reports indicate a garage on Westbrook Drive was struck by lightning. The lightning then travelled through the garage to a nearby dog house, killing the dog inside.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
NEW YORK, Central								
Broome County								
Vestal Center	11	1615EST			0	0		Hail (0.75)
								SKYWARN storm spotters reported dime size hail covering the ground.
Broome County								
Vestal	11	1620EST			0	0		Thunderstorm Wind (G50)
								Law enforcement reported several trees blown down by thunderstorm winds. The areas most affected were near the roads of Tracy Creek, Knight, and Grippen Hill.
Chenango County								
Bainbridge	11	1620EST			0	0		Thunderstorm Wind (G50)
								Emergency management reported several trees blown down by thunderstorm winds.
Chenango County								
Guilford	11	1626EST			0	0		Thunderstorm Wind (G50)
								SKYWARN storm spotters reported tree limbs down in East Guilford.
Broome County								
Windsor	11	1630EST			0	1		Lightning
								Newspaper reports indicate a house on Stratmill Road was struck by lightning, slightly injuring one man inside.
Delaware County								
Sidney	11	1630EST			0	0		Thunderstorm Wind (G50)
								Emergency management reported several trees and wires blown down by thunderstorm winds.
Steuben County								
Hornell	12	1530EST			0	0		Thunderstorm Wind (G50)
								Law enforcement reported a tree blown down by thunderstorm winds.
Steuben County								
Addison	12	1620EST			0	0		Thunderstorm Wind (G50)
								Emergency management reported a tree blown down along Route 417 just north of Addison.
Broome County								
West Portion	16	1820EST 2300EST			0	0		Flash Flood
								A strong cold front combined with some of the moisture from the remnants of Hurricane Allison to produce extreme rainfall rates across portions of the area. The rain gage at NWS Binghamton recorded 3.57 inches of rain in just over one hour. The rapid runoff from these rains caused flash flooding. Emergency management reported many roads washed out and flooded in the towns of Barker, Chenango, Maine, and Union. The small Brooks, Castle, and Potato Creeks all left their banks and produced damage to nearby roadways.
Chenango County								
South Portion	16	1820EST 2300EST			0	0		Flash Flood
								A strong cold front combined with some of the moisture from the remnants of Hurricane Allison to produce extreme rainfall rates across portions of the area. The rain gage at NWS Binghamton recorded 3.57 inches in just over one hour. The rapid runoff from these rains caused flash flooding. Emergency management reported many roads washed out and flooded in Greene, Preston, McDonough, Oxford, and Smithville. Local creeks overflowing thier banks flooded houses and forced some evacuations in Smithville. The extra volume of water put extreme stress on a control gate at Bowman Lake, a major source of summer recreation in McDonough, resulting in its eventual failure. The lake slowly drained out into Bowman Creek over a long period of time until it was empty. The release of water was gradual so no flooding was reported on Bowman Creek.
Delaware County								
East Meredith	20	1530EST			0	0		Thunderstorm Wind (G50)
								Emergency management reported several trees blown down by thunderstorm winds.
Sullivan County								
Bethel	20	1605EST 1610EST			0	0		Thunderstorm Wind (G55)
								SKYWARN storm spotters reported numerous trees blown down by thunderstorm winds in Kauneonga Lake, Lake Huntington, and White Lake. Several homes suffered minor damage from falling trees. 6000 people lost power due to fallen power lines.
Cortland County								
Countywide	22 23	1945EST 1500EST			0	0		Flash Flood
								Several periods of heavy rain caused by slow moving thunderstorms on the evening of the 22nd and again during the day on the 23rd caused extensive flooding throughout the county. Rainfall totals over 5 inches occurred over portions of the area during this period. Many roads were washed out and damaged and closed to traffic for significant periods of time. The hardest hit area was the town of McGraw due to flash flooding of the Mosquito Creek that was caused by debris clogging the creek under a bridge. Many homes and businesses along Main Street in McGraw were damaged and several Red Cross shelters were opened.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>NEW YORK, Central</u>								
Tioga County								
Countywide	23	0930EST 1130EST			0	0		Flash Flood
Law enforcement officials reported some flooding along area creeks from heavy thunderstorm rains. The flooding was most pronounced along West Creek near Penn Avenue.								
Broome County								
Triangle to Castle Creek	23	1100EST 1320EST			0	0		Flash Flood
Emergency management officials reported flash flooding from heavy thunderstorm rains along Water Street in Castle Creek. A bridge was partially washed out in the town of Triangle.								
Chenango County								
Central Portion	23	1100EST 1340EST			0	0		Flash Flood
Emergency management officials reported numerous roads closed in Preston and McDonough due to flash flooding from heavy thunderstorm rains.								
Madison County								
Countywide	23	1119EST 1400EST			0	0		Flash Flood
Emergency management officials reported numerous roads closed and basements flooded due to flash flooding from heavy thunderstorm rains.								
Oneida County								
Kirkland to Westmoreland	23	1200EST 1615EST			0	0		Flash Flood
Flash flooding from heavy thunderstorm rains caused numerous road closures in the towns of Kirkland and Westmoreland. Mud and Oriskany Creeks overflowed their banks and flooded some nearby homes and roads. The heavy rain also caused the roof of a warehouse on Lafayette Street to collapse.								
NYZ044								
Cortland								
	24	0530EST			0	0		Flood
	25	1930EST						
Slow moving thunderstorms during the evening of the 23rd and again the morning of the 24th produced rainfall amounts over 5 inches over portions of Cortland county. This brought the Tioghnoga river out of its banks at Cortland for only the second time during the summer months since the beginning of river observations here in 1938. The first time was during the heavy rains and subsequent devastating flooding associated with Hurricane Agnes in June 1972.								
<u>NEW YORK, Coastal</u>								
Rockland County								
Hillburn	02	0810EST			0	0		Flood
On Saturday, June 2nd, a low pressure system moved northeast across the eastern Great Lakes into southeast Canada. A frontal system trailing from this low moved east across southeast New York during the morning hours. A weak wave of low pressure developed along this front, producing a swath of heavy rain and embedded thunderstorms across portions of southeast New York Saturday morning.								
Occasional heavy rain associated with this system caused the Mahwah River to periodically crest above its' flood stage of 4 feet. Spotters in Hillburn reported flooding along the river at 9:10 am EDT.								
Rockland County								
Congers	17	0330EST 1230EST			0	0		Flash Flood
Westchester County								
Ossining	17	0400EST 1245EST			0	0		Flash Flood
New York County								
Countywide	17	1000EST 1300EST			0	0		Urban/Sml Stream Fld
Bronx County								
Countywide	17	1030EST 1300EST			0	0		Urban/Sml Stream Fld
Kings County								
Countywide	17	1030EST 1315EST			0	0		Flash Flood

Storm Data and Unusual Weather Phenomena

								June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm	
<u>NEW YORK, Coastal</u>								
Queens County								
Countywide	17	1030EST 1315EST			00		Flash Flood	
Nassau County								
Countywide	17	1115EST 1330EST			00		Flash Flood	
Suffolk County								
West Portion	17	1200EST 1345EST			00		Flash Flood	
<p>On Sunday, June 17th, abundant moisture from the remnants of tropical storm Allison, combined with a cold front approaching from the west, produced extremely heavy rainfall across much of southeast New York during the early morning hours. Rainfall rates of up to 3 inches per hour produced widespread street and highway flooding, in addition to some flash flooding of small streams. Some rivers approached or even slightly exceeded flood stage during this heavy rain event.</p> <p>Heavy rain first affected portions of Rockland and Westchester Counties between 3:30 AM and 6 AM EDT. The area of heavy rain then slowly shifted east, across New York City around mid morning through midday, Nassau and western Suffolk Counties from late morning through early afternoon, and across central and eastern Suffolk County during the early to mid afternoon hours.</p> <p>In Rockland County, the Mahwah River at Suffern crested at 3.79 feet at 10:15 AM EDT, remaining just below its' flood stage of 4.0 feet. However, widespread flooding of streets occurred during the morning hours in Rockland County, closing several major roads which became impassable due to the excessive rainfall. Several houses were also evacuated due to flooding conditions, particularly near Valley Cottage.</p> <p>Excessive rainfall also led to severe flooding conditions across portions of Westchester County. In Greenburgh, 23 residential structures experienced basement flooding, causing thousands of dollars of property damage in the Babbitt Court area. In Ossining, the Sparta Brook overflowed its' banks around 5 AM EDT, washing away a backyard and flooding an adjoining basement and garage. Flooding also was reported in Mt. Kisco, particularly near Shoppers Park, where several stores reported damage from the flooding. Damage to several municipal buildings was also reported in other portions of downtown Mt. Kisco.</p> <p>There were also numerous reports of street and highway flooding in the New York City area, as well as Nassau and Suffolk Counties on Long Island, which led to several major road and highway closings.</p> <p>Here are some rainfall totals for this event:</p> <p>In Rockland County: 1.65 inches at Suffern.</p> <p>In Westchester County: From 2.69 inches at Westchester County Airport in White Plains, to 5.73 inches in Granite Springs.</p> <p>In the New York City area: From 1.37 inches in Brooklyn, to 2.36 inches at John F. Kennedy International Airport in Queens. In addition, a daily record amount of 1.55 inches occurred at Central Park.</p> <p>In Nassau County: From 2.51 inches at Wantagh, to 5 inches at Lido Beach.</p> <p>In Suffolk County: From 2.27 inches at Copiague, to 4.35 inches at Patchogue.</p>								
Putnam County								
Mahopac Falls	17	0430EST			00		Lightning	
<p>In Putnam County, lightning struck a home that ignited a fire around 5:30 AM EDT Sunday morning. The house suffered considerable damage, but no injuries were reported.</p>								
Orange County								
Rio	20	1550EST			00		Thunderstorm Wind (G52)	
Putnam County								
Brewster	20	1757EST			00		Thunderstorm Wind (G52)	
Westchester County								
Somers	20	1800EST			00		Hail (1.75)	
Westchester County								
Somers	20	1800EST			00		Thunderstorm Wind (G52)	

With a warm humid unstable air mass in place, lines and clusters of scattered severe thunderstorms developed ahead of a cold front that moved slowly southeast. As severe thunderstorms moved east at 15 to 20 mph, they produced high winds that downed trees and

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

NEW YORK, Coastal

power lines in the Rio/Deer Park area of Orange County, in Brewster and in Somers, where golf ball sized hail was also observed.

Westchester County

Larchmont to Mamaroneck	23	1040EST 1115EST			0	0		Thunderstorm Wind (G70)
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New York County

New York	23	1300EST			0	0		Urban/Sml Stream Fld
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Richmond County

Richmond	23	1300EST			0	0		Urban/Sml Stream Fld
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Rockland County

Haverstraw	23	1356EST 1415EST			0	1		Lightning
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Rockland County

Suffern	23	1556EST			0	1		Flood
	24	0242EST						

A severe thunderstorm produced high winds and torrential rain as it passed over Larchmont. High winds downed many trees, which fell on houses, uprooted sidewalks, and downed power lines in a 15 to 20 block area. This storm also downed trees and power lines in Mamaroneck. Torrential rain also caused flooding of low-lying and poor drainage areas.

Heavy rains caused widespread significant ponding of water in poor drainage and low-lying areas in the New York City area. In Staten Island, several cars became inundated with water and stalled. Several people required rescue from their cars. In Manhattan, flooding caused the closure of a large segment of West Side highway between 100th and 120th Streets.

These heavy rains also led to rises in area rivers and streams. In Rockland County, the Mahwah River at Suffern was above its' flood stage of 4.0 ft. from 4:56 PM EDT on June 23rd until 3:42 AM EDT on June 24th. The crest stage was 5.8 ft. at 7:00 PM on June 23rd. Also, in Stony Point, a 17 year old male was swept into floodwaters at a culvert on Willow Grove Drive. He was rescued, and suffered only minor injuries.

Frequent cloud to ground lightning also accompanied some of these thunderstorms. Lightning struck a house at 29 Captain Shankey Drive in Haverstraw at 2:56 pm EDT and struck a person at 1 Lyle Terrace at 3:15 pm EDT. In Westchester County, lightning struck a utility pole in Yorktown, causing hot electrical wires to fall on an occupied Sports Utility Vehicle. The occupant was briefly trapped in the vehicle, but was uninjured.

NEW YORK, East

Ulster County

Kingston	03	0755EST 0855EST			0	0	15K	Hail (1.75)
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Ulster County

Kingston	03	0810EST			0	0	13K	Lightning
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Dutchess County

Tivoli	03	0813EST			0	0	10K	500K Tstm Wind/Hail
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Ulster County

Glenerie Falls	03	0813EST			0	0	5K	Hail (1.75)
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Columbia County

Clermont	03	0830EST			0	0	100K	Thunderstorm Wind
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Rensselaer County

Schodack Center	03	0843EST			0	0	3K	Thunderstorm Wind
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NYZ061

Eastern Columbia

	03	0900EST 1100EST			0	0	10K	Flood
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Rensselaer County

Sand Lake	03	0900EST			0	0	17K	Thunderstorm Wind
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Warren County

Glens Falls	03	0919EST			0	0	20K	Lightning
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Washington County

Greenwich	03	0920EST			0	0	11K	Thunderstorm Wind
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A strong upper level disturbance and a surface front, combined to produce numerous thunderstorms across eastern New York during the morning hours of June 3. A few of thunderstorms became severe as they worked across the Mid Hudson Valley and east into the Taconics. Golf ball size hail was reported in Kingston, Ulster County, producing damage to numerous cars. Golf ball size hail was also reported at Glenerie Falls in Columbia County. Thunderstorm winds brought trees down in Tivoli, Dutchess County .

A microburst in Clermont, Columbia County, with winds estimated to be between 60 and 70 mph, destroyed a 4,200

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

NEW YORK, East

square-foot-shed and ripped two roofs off barns of a farm. Storms produced scattered downed trees between Schodack and Sand Lake in Rensselaer County. There were also scattered reports of downed trees in Southern Washington County around Greenwhich.

Pea-sized hail produced damage to at least four fruit farms in northwestern Dutchess County, specifically in the Tivoli - Red Hook area. The storms also temporarily knocked out power to around 2,400 customers in the Mid Hudson Valley, with most of them located in northern Dutchess and southeastern Ulster counties.

Lightning from the storms set an apartment roof on fire in Kingston. Damage from the fire was limited to the roof and a hallway of the building. Lightning also brought down a high voltage wire onto the Adirondack Northway near Exit 20 in the town of Queensbury, Warren County. This downed wire caused a trench to be burnt into the road which resulted in the highway completely closing for a couple of hours between exit 19 and exit 20. 300 more customers lost power for a while in the Queensbury, Glens Falls area.

Heavy rains from the thunderstorms caused the Green River to reach or slightly exceed bankful. One resident had to evacuate his home. Some flooding was also reported on Tory Hill and Old Town roads in Hillsdale.

Washington County

Ft Ann

11 1730EST

0

0

100K

Lightning

Lightning struck a home on Travis Point Way in the Pilot Knob area of Fort Anne on June 11. The seasonal home was destroyed, as it burned to the ground. It took two and half hours and three fire companies to extinguish the fire.

Greene County

Greenville

20

1351EST

0

0

5K

Hail (1.00)

Albany County

Alcove

20

1400EST

0

0

Hail (0.88)

Greene County

Coxsackie

20

1408EST

0

0

7K

Hail (1.00)

Greene County

Climax

20

1415EST

0

0

300K

Hail (2.75)

Greene County

Coxsackie

20

1415EST

0

0

150K

100K

Hail (2.75)

Greene County

Coxsackie

20

1425EST

0

0

10K

Hail (1.75)

Columbia County

Stockport

20

1435EST

0

0

20K

Hail (2.00)

Greene County

Cairo

20

1445EST

0

0

Hail (0.75)

Greene County

Catskill

20

1446EST

0

0

5K

Hail (1.50)

Greene County

Catskill

20

1455EST

0

0

2K

Hail (1.00)

Columbia County

Claverack

20

1517EST

0

0

Hail (1.00)

Greene County

Catskill

20

1518EST

0

0

Hail (0.75)

Greene County

Catskill

20

1525EST

0

0

Hail (0.88)

Columbia County

Austerlitz

20

1526EST

0

0

9K

Hail (1.50)

Greene County

Catskill

20

1526EST

0

0

Hail (1.00)

Ulster County

Phoenicia

20

1615EST

0

0

Hail (0.75)

Greene County

Hunter

20

1630EST

0

0

12K

Thunderstorm Wind

Dutchess County

Hyde Park

20

1720EST

0

0

15K

Thunderstorm Wind

A cold front, pressing into a very unstable warm humid airmass, produced scattered severe thunderstorms across portions of eastern New York on the afternoon of June 20. Most of the reports associated with these storms were hail, and were in southern Albany county, as well as Greene and Columbia counties.

Greenville, in Green County, reported quarter size hail (1.00 inch), while Alcove in Albany County had nickel size hail (0.88 inch). In Greene County, Coxsackie had three seperated incidents of hail, ranging from quarter size to baseball size (2.75 inch)! Up to 80 cars were damaged in the Coxsackie area, 26 of them at Barret's Unlimited on Route 9W. Also in Greene county, the town

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

NEW YORK, East

of Catskill had three separate storms producing several sizes of hail ranging from dime size (0.75 inches) to ping pong ball size (1.75 inch). Cairo reported dime size hail. Finally in Greene County, large hail destroyed 99 percent of an apple and peach orchard in the town of Climax.

In Columbia County, 1.5 inch-diameter hail fell at Austerlitz while 2 inch-diameter hail fell at Stockport.

There were two reports of wind damage. Thunderstorm winds knocked trees down at Hunter in Greene County as well Hyde Park in Dutchess County.

Rensselaer County

Brunswick

20 1615EST 0 11 25K Wind

A cold front, moving across Rensselaer County, late during the afternoon of June 20, produced wind gusts that while below warning criteria, nevertheless damaged a church under construction in the town of Brunswick. The building was only in the framing state and trusses were being placed on a roof. The precariously ballanced trusses were toppled into the church by wind speeds estimated between 30 and 50 mph. Eleven workers suffered injuries, one of which was severe.

Greene County

Athens

20 1719EST 0 0 50K Lightning

Greene County

Athens

20 1738EST 0 0 100K Lightning

Lightning from a thunderstorm struck two separate homes in the village of Athens, Green County during the evening of June 20. These strikes were within 20 minutes each of other. The first lightning strike was to blame for a fire that destroyed the top floor of a home. The second strike spread spread fire through an entire home.

Herkimer County

Mohawk

23 0111EST 0 0 Flood
0500EST

Heavy rains, associated with a slow moving warm front, produced up to 3 inches of rainfall in a few hours during the overnight of June 22-23 across the southern Adirondacks and Western Mohawk Valley. As a result, the Spencer and Fulmer Creeks briefly overflowed in Mohawk, Herkimer County. There were no significant problems reported to the National Weather Service with either of these creeks flooding.

Warren County

Glens Falls

23 1726EST 0 0 5K Lightning

Warren County

Glens Falls

23 1729EST 0 0 10K Lightning

Lightning from a thunderstorm struck two separate houses within three minutes time in the city of Glens Falls, during the evening of June 23. The first strike destroyed the chimney of a house, which sprayed bricks onto a nearby road. Flames from the second strike travelled along a wire to a house, burning the siding on the exterior of the home.

NYZ033

Hamilton

24 0330EST 0 0 Flood
0530EST

Heavy rains from a warm front, produced 2 to 4 inches of rainfall across Hamilton County during the overnight hours of June 23-24. Runoff from the rainfall caused the Moose River to briefly exceed bankfull early on the 24th. The gage at McKeever crested .06 feet higher than the 11-foot flood stage at 715 AM Saturday. There were no problems reported to the National Weather Service as a result of this flooding.

Columbia County

Claverack

30 1743EST 0 0 55K Thunderstorm Wind

A weak trough rippling through a very unstable air mass, touched off a round of thunderstorms in the Mid Hudson Valley on the afternoon of June 30. One of the storms became severe in Columbia County. Thunderstorm winds brought telephone poles, wires and large tree limbs down.

NEW YORK, North

Essex County

Lake Placid

03 1430EST 0 0 Small Hail

A storm system moved slowly across New England during Sunday, June 3rd. Steady rain fell across much of the area. In the New York town of Lake Placid, pea size hail occurred around 330 PM EDT (230 PM EST).

Clinton County

Countywide

16 1600EST 0 0 Small Hail
1700EST

A cold front moved from west to east across northern New York Saturday evening. Thunderstorms preceded and accompanied the front with heavy rain and gusty winds and pea size hail. In the towns of Champlain and Morrisonville small hail along with wind gusts to 30 mph (26 knots) and very heavy rain accompanied the storms.

St. Lawrence County

Countywide

22 1500EST 0 0 Gusty Thunderstorm Winds
1700EST

A storm system moved down the St Lawrence Valley region in southern Canada. A few thunderstorms accompanied this system with

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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NEW YORK, North

wind gusts to 40 mph during the afternoon in St Lawrence county. In the New York towns of Gouverneur and Edwards, winds gusts to 40 mph (35 knots) were reported.

Essex County

4 S Lake Placid

30 1200EST 0 13 Lightning

A weak trough or convergence line moved across northern New York during the afternoon of June 30th. Thunderstorms preceded and accompanied this trough. Around 1 PM EDT (Noon EST) lightning struck Algonquin Peak which is about 4 miles south of Lake Placid. Two hikers were knocked unconscious while 11 others received minor burns.

NEW YORK, West

Allegany County

Belfast

12 1445EST 0 1 50K Thunderstorm Wind (G54)

Severe thunderstorms crossed Allegany county during the afternoon hours. The high winds downed trees and power lines in Belfast. Several houses were damaged and two cars were flattened. A girl was struck by a falling tree limb. The injury was minor, requiring stitches.

Erie County

Kenmore

20 0220EST 0 0 10K Thunderstorm Wind (G50)

Niagara County

North Tonawanda

20 0230EST 0 0 25K Thunderstorm Wind (G52)

Thunderstorms crossed the Niagara Peninsula during the early morning hours producing damaging winds across parts of Erie and Niagara counties. Trees were reported downed in Kenmore and North Tonawanda. In Niagara Falls, a falling tree smashed a fence and damaged a garage.

Chautauqua County

Jamestown

21 2030EST 0 0 25K Flash Flood
2200EST

Chautauqua County

Jamestown

21 2230EST 0 0 15K Flash Flood
22 0000EST

Heavy rains, in excess of five inches, fell in two storms on the city of Jamestown, Chautauqua county. The flood waters inundated downtown streets and parking lots with up to two feet of water.

Allegany County

Belfast

21 2315EST 0 1 20K Thunderstorm Wind (G52)

An isolated thunderstorm crossed Allegany county during the early morning hours. Several trees and power lines fell. One tree tipped over a pop-up camper. The teenage girl sleeping inside suffered minor injuries. Another tree which fell nearby caused structural damage to the wall of a house.

Jefferson County

Alexandria Bay

22 1445EST 0 0 15K Thunderstorm Wind (G50)

Lewis County

Lowville

22 1810EST 0 0 12K Flash Flood
1935EST

Lewis County

Lowville

22 1935EST 0 0 10K Flash Flood
2100EST

Thunderstorms produced damaging winds which downed power lines in Alexandria Bay, Jefferson county. The strong storms also produced downpours of one to two inches per hour across Lewis county. Some areas received over four inches of rain in less than three hours. In Lowville, street flooding occurred and roads were closed by the flood waters.

NORTH CAROLINA, Central

Moore County

10 N Carthage

01 1125EST 0 0 Hail (1.75)

Chatham County

Goldston

01 1135EST 0 0 Hail (1.00)

Lee County

Sanford

01 1210EST 0 0 Hail (1.00)

Lee County

5 N Sanford

01 1220EST 0 0 Thunderstorm Wind (G70)

A dozen trees were blown down and a horse trailer was blown 30 feet near Farrell Road and US 1.

Chatham County

Carbonton

01 1230EST 0 0 Thunderstorm Wind (G60)

Trees were blown down along Goldston-Carbonton Road.

Wake County

Cary

01 1240EST 0 0 Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>NORTH CAROLINA, Central</u>								
Wake County								
Cary	01	1300EST			0	0		Tornado (F0)
								Siding was blown off of apartment buildings near Highway 54 and Cary Parkway. Trees were also blown down in the area, and a funnel cloud was reported.
Chatham County								
Gulf	01	1430EST 1530EST			0	0		Flash Flood
								Alton King Road in Gulf was closed due to flooding.
Lee County								
Sanford	01	1500EST 1545EST			0	0		Flash Flood
								Several roads in downtown Sanford were flooded with 6 to 12 inches of water.
Johnston County								
Smithfield	01	1515EST			0	0		Thunderstorm Wind (G50)
								Reports of trees and power lines down between US 70 and Buffalo Road.
Lee County								
5 N Sanford	13	1739EST 2100EST			0	0		Flash Flood
								Farrell Road was closed due to high water.
Halifax County								
Southeast Portion	15 16	1454EST 1030EST			0	0		Flash Flood
								Numerous roads were closed in eastern Halifax county, including Highway 258 and many roads in downtown Scotland Neck. Some homes were evacuated, and a bridge was washed out.
Edgecombe County								
Northeast Portion	16	1100EST 2300EST			0	0		Flash Flood
								Heavy rain caused a dike on Deep Creek to break , causing flooding in Speed and many roads to close in the northeastern part of the county.
Hoke County								
Rockfish	16	1620EST			0	0		Hail (1.00)
Cumberland County								
Spring Lake	16	1636EST			0	0		Thunderstorm Wind (G60)
								Numerous trees down in Spring Lake and Fort Bragg.
Cumberland County								
Fayetteville	16	1730EST 1930EST			0	0		Flash Flood
								Hybart Branch Creek flooded, causing several roads to close including Morganton Road, Chapel Hill Road, and Cliffdale Road. Beaver Dam subdivision was also flooded.
Johnston County								
Micro	16	1810EST			0	0		Thunderstorm Wind (G50)
								Several trees were blown down.
Johnston County								
Selma	16	1820EST			0	0		Lightning
								Lightning struck a house on Live Oak Church Road. Damage unknown.
Johnston County								
Countywide	16	1825EST 2300EST			0	0		Flash Flood
								Heavy rain caused Interstate 95 and Highway 96 to flood between Micro and Four Oaks.
Halifax County								
Southeast Portion	16	1900EST 2100EST			0	0		Flash Flood
								Water was crossing a bridge on Pelican Road in Scotland Neck, and a home in Hobgood was flooded with 3 feet of water.
Wake County								
Countywide	16	1910EST 2300EST			0	0		Flash Flood
								Flooding was reported on Capital Blvd. at Brentwood Road and on Highway 70 in Garner. A pond overflowed onto Wycliff Road at Lake Boone Trail. Avent Ferry Road was closed near the N.C. State campus, causing several apartments to be evacuated.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>NORTH CAROLINA, Central</u>								
Wayne County								
Mt Olive	16	1930EST 2200EST			0	0		Flash Flood
Brazil Road, Church Street, and Main Street flooded and were impassible for several hours.								
Nash County								
Southwest Portion	16	1935EST 2100EST			0	0		Flash Flood
Numerous roads were closed due to flooding in Middlesex and Spring Hope.								
Wilson County								
Countywide	16	2004EST 2200EST			0	0		Flash Flood
Contentea Creek flooded near Lucama, and Highway 58 near New Hope was flooded. Highway 264 near Wilson was also flooded.								
Wayne County								
Mt Olive	17	0003EST			0	0	105K	Lightning
Lightning started a fire that destroyed a vacant home on Thunder Swamp Road.								
Harnett County								
Cokesbury	22	1530EST			0	0		Hail (0.75)
Harnett County								
Mamers	22	1550EST			0	0		Hail (1.00)
Wake County								
Fuquay Spgs	22	1614EST			0	0		Lightning
Lightning set fire to a house on Bennet Road. Damage amount unknown.								
Scotland County								
Laurinburg	22	1745EST			0	0		Thunderstorm Wind (G50)
Trees and telephone poles were blown down.								
Cumberland County								
Fayetteville	22	1810EST			0	0		Thunderstorm Wind (G60)
Part of a roof was blown off a building on Bonanza Drive.								
Moore County								
Robbins	22	1925EST			0	0		Thunderstorm Wind (G50)
Trees were blown down.								
Chatham County								
Goldston	22	1945EST			0	0		Thunderstorm Wind (G50)
Trees were blown down.								
Durham County								
Durham	22	1945EST			0	0		Flash Flood
A portion of Miami Blvd. was closed due to flooding.								
Richmond County								
Ellerbe	22	2155EST			0	0		Thunderstorm Wind (G50)
A tin roof was blown off a building.								
Stanly County								
Albemarle	25	0345EST 0530EST			0	0		Flash Flood
Numerous roads were flooded including Highway 52. Two people were rescued out of a flooded basement apartment.								
Davidson County								
Jackson Hill	25	0430EST 0530EST			0	0		Flash Flood
Highway 49 had a foot of water on it.								
Montgomery County								
Eldorado	25	0530EST 0700EST			0	0		Flash Flood
Highway 109 was flooded.								
Forsyth County								
Clemmons	28	1738EST			0	0		Thunderstorm Wind (G50)
Trees were blown down.								
<u>NORTH CAROLINA, Central Coastal</u>								
Duplin County								
Magnolia	01	1726EST			0	0		Hail (1.25)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>NORTH CAROLINA, Central Coastal</u>								
Carteret County								
Sealevel	06	1640EST			0	0		Hail (1.00)
Martin County								
Countywide	15	1530EST 1900EST			0	0	200K	Flash Flood
The remnants of Tropical Storm Allison dropped 12 to 16 inches of rain across martin county causing widespread, dangerous flooding. Nearly all primary and secondary roads were closed and flooding reached up to 25 homes causing \$200,000 in damage. The worst of the flooding occurred during the early evening hours.								
Greene County								
Countywide	16	2130EST 2230EST			0	0		Flash Flood
The remnants of Tropical Storm Allison dropped up to 12 inches of rain across Greene county. This resulted in the flooding of low lying areas countywide. Numerous roads were closed countywide including Highway 58N.								
<u>NORTH CAROLINA, Extreme Southwest</u>								
Cherokee County								
2 SW Violet	25	1355EST			0	0		Hail (0.75)
Near Appalachia Lake.								
Cherokee County								
2 SW Violet	25	1355EST			0	0	12K	Thunderstorm Wind
Several trees down near Appalachia Lake.								
<u>NORTH CAROLINA, North Coastal</u>								
Hertford County								
Menola to Ahoskie Tri Co Arpt	01	1800EST 1810EST			0	3	50K	Tornado (F1)
A tornado touched down in the vicinity of Menola and Ahoskie Tri County Airport. There were reports of trees down and several buildings damaged.								
Hertford County								
Ahoskie	01	1810EST			0	0	2K	Thunderstorm Wind
Trees down.								
Camden County								
Shiloh	01	1850EST			0	0		Hail (1.50)
Bertie County								
Askewville	15	1830EST			0	0		Flash Flood
One road impassable and many roads in the area reported high water.								
Bertie County								
Askewville	15	2055EST			0	0		Flash Flood
High water reported everywhere around Askewville. Report of 8.5 inches of rain near Askewville.								
Bertie County								
Aulander	15	2230EST			0	0		Flash Flood
Many roads reported closed. Several homes evacuated due to high water.								
Bertie County								
Powellsville	16	0045EST 0100EST			0	0		Flash Flood
One home evacuated due to high water.								
Bertie County								
Aulander	16	0920EST			0	0		Flash Flood
Business Routes 305 and 11 closed.								
Hertford County								
Ahoskie	16	0930EST			0	0		Flash Flood
Some roads closed.								
<u>NORTH CAROLINA, Northwest and North Central</u>								
Rockingham County								
Eden	06	1400EST			0	0	0	Thunderstorm Wind
Rockingham County								
Wentworth	06	1645EST			0	0	0	Thunderstorm Wind
Thunderstorm winds during the afternoon of the 6th downed trees in Wentworth and Eden.								
Watauga County								
Boone	14	1700EST 1745EST			0	0		Flash Flood

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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NORTH CAROLINA, Northwest and North Central

Watauga County

Boone	14	1700EST 1715EST			0	0	125K	Lightning
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Thunderstorms during the evening produced damaging lightning and flash flooding.

Lightning struck two houses during the late afternoon of the 14th starting fires. One house was completely destroyed while the second house suffered considerable damage.

Heavy thunderstorm rains flooded a small part of Boone, requiring several rescues.

Wilkes County

Hays	15	1930EST			0	0	400K	Lightning
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Lightning struck the C&L Manufacturing company, starting a fire that destroyed the building, equipment and inventory.

Surry County

Mt Airy	22	1507EST			0	0	0	Thunderstorm Wind
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Thunderstorm winds on the 22nd downed trees in Mount Airy.

Ashe County

Jefferson	25	1755EST			0	0		Hail (1.50)
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Ashe County

Jefferson	25	1850EST 2030EST			0	0		Flash Flood
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Thunderstorms during the late afternoon and evening of the 25th produced flash flooding and hail up to one and a half inches in diameter.

Heavy thunderstorm rains caused numerous streams in and around Jeffereson to flood. Several roads were closed by flood waters.

Wilkes County

Wilkesboro	26	1552EST			0	0		Hail (0.75)
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Rockingham County

4 W Stoneville	26	2000EST			0	0	0	Thunderstorm Wind
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Thunderstorms during the afternoon of the 26th produced hail up to dime size and damaging winds.

Thunderstorm winds downed a large tree 4 miles west of Stoneville.

NORTH CAROLINA, South Coastal

Robeson County

Barnesville	01	1315EST			0	0	25K	Thunderstorm Wind (G61)
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Spotter estimated a 70 mph wind caused damage to some hog houses.

Bladen County

6 SE Elizabethtown	01	1620EST			0	0	10K	Thunderstorm Wind (G65)
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Emergency manager reported trees down with shingle and siding damage to a house.

Columbus County

5 S Evergreen	01	1900EST			0	0		Hail (1.75)
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NWS employee relayed a public report of golfball size hail.

New Hanover County

Wilmington Arpt	07	1716EST			0	0		Thunderstorm Wind (G62) ^M
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The ASOS at the Wilmington airport measured a 71 mph wind gust. A NWS employee observed several trees down in the area.

New Hanover County

7 NE Wilmington	07	1745EST			0	0		Thunderstorm Wind (G60)
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Ogden Fire Dept. reported trees down on Bayshore Drive. A NWS employee drove to the location and observed several trees down. The newspaper reported that 3000 customers were without power due to the storm.

Columbus County

Cherry Grove	15	1725EST			0	0		Hail (1.75)
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Law enforcement reported golfball size hail.

Pender County

Rocky Pt	15	1930EST 2030EST			0	0	10K	Flood
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Heavy rain caused flooding at the intersection of NC210 and US117. A car ended up in a flooded ditch.

Robeson County

St Pauls	15	2025EST 2200EST			0	0		Flood
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Sheriff reported street flooding and water entering cars.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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NORTH CAROLINA, South Coastal

Bladen County

Kelly **15** **2100EST** **0** **0** **Flood**
2300EST

Emergency manager reported flooding on one lane of Hwy 210 in the Rowan community. Another portion of Hwy 210 was reported to be underwater.

Bladen County

East Arcadia to **15** **2127EST** **0** **0** **Thunderstorm Wind (G65)**
Kelly **2130EST**

Thunderstorm wind caused downed trees in the East Arcadia - Kelly area, and there were power outages reported in the Carvers Creek area.

New Hanover County

Wilmington **16** **1530EST** **0** **0** **15K** **Lightning**

Lightning struck an apartment unit, starting a fire.

Robeson County

Lumberton to **16** **1635EST** **0** **0** **50K** **Thunderstorm Wind (G70)**
Lumber Bridge

Spotter reported extensive wind damage to a home.

Robeson County

3 N Lumberton **16** **1729EST** **0** **0** **Flood**
1930EST

Spotter reported flooding on Hwy 301, just north of town. Street flooding was also reported in a few subdivisions north of town.

Bladen County

Tar Heel **16** **1730EST** **0** **0** **Flood**
1830EST

Emergency Manager reported heavy rain caused flooding on Tarheel Road.

Bladen County

Elizabethtown **21** **2130EST** **0** **0** **20K** **Lightning**

Lightning caused damage to various parts of the county's computer systems in the courthouse building, including the 911 telephone lines.

Robeson County

Fairmont **22** **1730EST** **0** **0** **Thunderstorm Wind (G65)**

Law enforcement reported trees down on Pleasant Hope Road.

Robeson County

Lumberton **22** **1740EST** **0** **0** **Hail (0.75)**

Dime size hail reported.

Brunswick County

Shallotte to **25** **1345EST** **0** **0** **Flood**
Supply **1500EST**

Flooding from heavy rains reported along low areas of US 17.

Brunswick County

8 SW Shallotte **26** **0530EST** **0** **0** **Flood**
0700EST

Ocean Isle Police reported street flooding from heavy rains.

NORTH CAROLINA, Southwest

Mcdowell County

Old Ft **04** **1830EST** **0** **0** **Hail (1.00)**

Public report of dime-sized to quarter-sized hail.

Burke County

Morganton **04** **1918EST** **0** **0** **Hail (0.75)**

2 separate spotter reports of dime-sized hail in Morganton.

Henderson County

2 NW Bat Cave **04** **1935EST** **0** **0** **Hail (0.75)**

Public report of dime-sized hail.

Burke County

Morganton **04** **1946EST** **0** **0** **Thunderstorm Wind (G55)**

911 center reported numerous trees and power lines down.

Henderson County

Hendersonville **04** **1950EST** **0** **0** **Hail (0.88)**

Fire department reported nickel-sized hail in Hendersonville.

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<u>NORTH CAROLINA, Southwest</u>							
Burke County							
10 E Morganton	04	2002EST			0	0	Hail (1.00)
							Spotter report of quarter-sized hail along Interstate 40.
Polk County							
4 S Columbus	13	1350EST			0	0	Thunderstorm Wind (G65)
							Sheriff's department reported numerous trees and power lines down. Between 10 and 20 trees were blown onto Interstate 26. A public report of a roof being torn off a building at a country club was also received.
Rowan County							
Salisbury	13	1706EST 1725EST			0	0	50K Thunderstorm Wind (G65)
							Numerous trees and power lines blown down during a cell on the outer most rainband as the remnants of Tropical Storm Allison passed by well to the southeast. Windows were blown out of the county courthouse and some buildings in town suffered wind damage.
Union County							
Monroe to 5 E Monroe	13	1800EST 2000EST			0	0	Flash Flood
							Water came up across bridges in Monroe and rural parts of the county.
Graham County							
16 W Robbinsville	14	0807EST			0	0	Hail (0.75)
							Spotter reported dime-sized hail near the Tennessee border.
Transylvania County							
Little River	14	1400EST			0	0	Thunderstorm Wind (G50)
							Trees blown down.
Rutherford County							
Forest City to Bostic	14	1645EST 1700EST			0	0	Thunderstorm Wind (G60)
							Numerous trees and power lines blown down between Forest City and Sandy Mush, including at Bostic and Cliffside. At a local park in Forest City, a tent was split in two by the wind and portable toilets were blown over. Trees fell on a car and a truck.
Iredell County							
Statesville	15	1400EST 1420EST			0	0	Lightning
							A 20-minute lightning storm caused lines to fall, taking down 2 power poles.
Cabarrus County							
Harrisburg	15	1600EST			0	0	45K Lightning
							Lightning caused a house fire, resulting in serious damage.
Rowan County							
Salisbury	15	1715EST 1815EST			0	0	Urban/Sml Stream Fld
Rowan County							
8 NE Salisbury	15	1732EST			0	0	Thunderstorm Wind (G50)
							Numerous power lines blown down in Spencer and East Spencer. At one point, power was out to 4800 homes. There was also flooding around Salisbury from heavy rainfall in a short time.
Rutherford County							
Bostic	15	1900EST			0	0	1K Lightning
							Lightning earlier in the afternoon struck a tree and later caused it to fall across a barn.
Union County							
Indian Trail	16	1630EST 1730EST			0	0	Heavy Rain
							Heavy rainfall, up to 2.1 inches, in a short time caused a sewer system to overflow into the South Fork Crooked Creek. About 3600 gallons of raw sewage were spilled.
Burke County							
Morganton	20	1900EST 1905EST			0	0	5K Lightning
Burke County							
Morganton	20	1900EST 1905EST			0	0	Thunderstorm Wind (G50)
							Winds from a sudden severe thunderstorm downed several trees. Lightning caused a house fire.
Buncombe County							
Asheville	20	1900EST			0	0	15K Lightning
							Lightning struck an unoccupied house, causing a fire that resulted in serious damage.

Storm Data and Unusual Weather Phenomena

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Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>NORTH CAROLINA, Southwest</u>									
Buncombe County									
7 SSW Asheville to Skyland	22	1213EST 1234EST			0	0		Hail (1.75)	
Buncombe County									
7 SSW Asheville to Skyland	22	1213EST 1234EST			0	0		Thunderstorm Wind (G55)	
Numerous reports of quarter-sized to golfball-sized hail in southern Buncombe County, along with several downed trees and power lines. Very heavy rainfall was also associated with this batch of storms, eventually resulting in a classic flash flood at Skyland.									
Jackson County									
10 NNE Sylva	22	1214EST			0	0		Thunderstorm Wind (G50)	
Trees down just southeast of the Cheokee Indian Reservation in extreme northern Jackson County. One tree fell on a residence.									
Haywood County									
Maggie Vly	22	1215EST			0	0		Thunderstorm Wind (G50)	
Trees blown over onto a propane tank at a day care center.									
Buncombe County									
Skyland	22	1230EST 1500EST			0	0	1M	Flash Flood	
A significant, classic flash flood developed when nearly-stationary thunderstorms dumped as much as 4 inches of rain on southern Buncombe County in a short period of time. Several creeks flooded, including Hominy and Avery creeks. The worst of the flooding occurred between 1245 pm and 145 pm EST. A mobile home park was flooded, businesses flooded and cars were caught in rapidly developing flood water. A number of rescues were required.									
Cleveland County									
Kings Mtn	22	1510EST			0	0		Hail (0.75)	
Trees and power lines down, along with dime-sized hail, at Interstate 85 exit #5, and in the Bethlehem community.									
Cleveland County									
Kings Mtn	22	1510EST			0	0		Thunderstorm Wind (G50)	
Gaston County									
Bessemer City	22	1511EST			0	0		Thunderstorm Wind (G55)	
12 X 12 aluminum building blown over and destroyed.									
Lincoln County									
Lowesville	22	1517EST			0	0		Thunderstorm Wind (G50)	
Trees blown down.									
Catawba County									
Catawba	22	1629EST			0	0		Thunderstorm Wind (G50)	
Large limbs blown onto power lines.									
Rowan County									
Landis	22	1655EST			0	0		Thunderstorm Wind (G50)	
Trees and power lines blown down.									
Union County									
Wingate	22	1800EST			0	0		Thunderstorm Wind (G100)	
A very strong microburst completely tore the roof off one duplex and damaged five others. Numerous trees and power lines also brought down.									
Cleveland County									
Shelby	24	2055EST			0	0		Hail (1.75)	
Golfball-sized hail observed by emergency management personnel in downtown Shelby.									
Cleveland County									
Shelby	24	2125EST 2300EST			0	0		Flash Flood	
Severe urban flooding in Shelby, with water up to car hoods and many streets flooded. One bridge was washed out in a rural part of Cleveland County. 290,000 gallons of raw sewage spilled into the First Broad River during the heavy rain; trees and power lines down also. Two people rescued from cars. An apartment building flooded. Creeks in the city of Shelby flooded.									
Buncombe County									
Leicester	25	1433EST			0	0		Hail (1.00)	
Quarter-sized hail observed by police officer.									
Rutherford County									
Rutherfordton to Forest City	25	1440EST 1450EST			0	0		Hail (1.00)	
Numerous trees and power lines down, with several reports of quarter-sized hail, along a path from Rutherfordton to Forest City. A tree fell across a truck in Chase.									

Storm Data and Unusual Weather Phenomena

June 2001

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<u>NORTH CAROLINA, Southwest</u>							
Rutherford County							
Rutherfordton to Forest City	25	1440EST 1450EST			0 0		Thunderstorm Wind (G55)
Polk County							
Mill Spg	25	1505EST			0 0		Hail (1.00)
Quarter-sized hail observed in Mill Spring.							
Catawba County							
2 W Terrell	25	2118EST			0 0		Hail (0.75)
Trained spotter observed dime-sized hail along Highway 150 west of Terrell.							
Iredell County							
1 N Mooresville	25	2149EST			0 0		Hail (1.75)
Police observed golfball-sized hail at the junction of NC 150 and Interstate 77.							
Macon County							
Franklin	26	1030EST 1300EST			0 0		Flash Flood
Crawford Creek began to flood, followed by several other creeks in town and in the surrounding countryside. A city park was flooded out for a short time. The Little Tennessee River ran high but stayed within its banks. Heavy rainfall from 0530 to 1030 EST contributed to the flooding.							
Gaston County							
2 W Gastonia	26	1447EST			0 0		Hail (0.75)
Dime-sized hail observed.							
Rowan County							
Rockwell	26	1655EST			0 0		Hail (1.75)
Fire truck on a call encountered golfball-sized hail and road flooding. Part of the asphalt was washed away as a result of the storm.							
Rowan County							
Rockwell	26	1655EST 1800EST			0 0		Urban/Sml Stream Fld
Madison County							
5 N Marshall	27	2045EST 2330EST			0 0	500K	Flash Flood
Walnut Creek and other smaller creeks flooded. Five county roads were closed. 150 people were evacuated. 3 homes and 1 business damaged. People were trapped in their homes by the flood water.							
Yancey County							
Celo	28	1615EST 1645EST			0 0		Flash Flood
Lower Browns Creek flooded onto Browns Creek Road, closing it for a short time.							
Madison County							
Big Pine to 10 W Marshall	29	1745EST 1815EST			0 0		Flash Flood
Road flooding, and two driveways washed out, along Spring Creek and its feeder tributaries in the western half of the county after nearly stationary thunderstorms affected the region.							
<u>NORTH DAKOTA, Central and West</u>							
Morton County							
Almont	05	1615CST			0 0		Hail (0.75)
Hettinger County							
Burt	08	1758CST			0 0		Hail (1.75)
The hail caused a 3 mile wide damage path. Winds of 50 mph accompanied the storm.							
Hettinger County							
5 N Mott to 5 E Burt	08	1830CST			0 0		Hail (0.75)
The hail fell in a 3 mile wide path in open country destroying 30 percent of crops.							
Divide County							
Alkabo	09	1420CST			0 0		Hail (0.88)
Divide County							
Alkabo	09	1430CST			0 0		Hail (0.75)
Billings County							
7 NNE Fairfield	09	1450CST			0 0		Hail (0.75)

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<u>NORTH DAKOTA, Central and West</u>									
Dunn County									
10 S Manning	09	1500CST 1515CST			0	0		Hail (2.00)	
Hail covered the ground.									
Dunn County									
10 S Manning	09	1510CST			0	0		Thunderstorm Wind (G50)	
Mercer County									
Zap	09	1545CST			0	0		Hail (0.75)	
Mercer County									
Zap	09	1545CST			0	0		Thunderstorm Wind (G52) M	
Golden Valley County									
Trotters	09	1600CST			0	0		Hail (0.75)	
Mckenzie County									
35 WSW Grassy Butte	09	1600CST			0	0		Hail (0.75)	
The hail was reported 3 miles north of Trotters...just north of the Golden Valley and McKenzie county line.									
Mercer County									
5 S Beulah	09	1600CST			0	0		Funnel Cloud	
Cooperative observer reported 1.50 inches of rain in a 20 minuate time period in the city of Beulah.									
Oliver County									
6 NE Center	09	1610CST			0	0		Thunderstorm Wind (G65)	
Farm home and machinery damaged. One machine fipped over and hood off a pickup torned off. Farmer thought the damage was caused by a tornado but could not confirm.									
Oliver County									
15 NW Center	09	1620CST			0	0		Hail (0.75)	
Mostly heavy rain with this storm.									
Oliver County									
3 W Center	09	1635CST			0	0		Hail (1.75)	
Morton County									
4 NE Mandan	09	1640CST			0	0		Hail (1.75)	
Mckenzie County									
Grassy Butte	09	1640CST			0	0		Hail (0.88)	
Billings County									
8 NE Fairfield	09	1650CST			0	0		Hail (0.88)	
Morton County									
Mandan	09	1655CST			0	0	113M	Hail (2.75)	
Burleigh County									
3 N (Bis)Bismarck Mur	09	1655CST			0	0	113M	Hail (1.75)	
Burleigh County									
Bismarck	09	1700CST			0	0		Funnel Cloud	
Numerous reports of funnel clouds with the storm.									
Dunn County									
3 S Fayette	09	1700CST			0	0		Hail (1.00)	
Burleigh County									
Bismarck	09	1715CST 2015CST			0	0		Flash Flood	
Widespread street flooding throughout the city of Bismarck where a foot or more covered the roads. Travel not advised. Up to 12 feet of water accumulated in the railroad underpasses in town.									
Kidder County									
3 W Steele	09	1721CST			0	0		Funnel Cloud	
Stark County									
Dickinson	09	1730CST			0	0		Hail (1.00)	
Burleigh County									
5 NW Bismarck	09	1736CST			0	0		Hail (1.00)	
Hail covered the ground.									
Morton County									
Mandan	09	1736CST			0	0		Hail (1.00)	
Stark County									
2 W Dickinson Arpt	09	1738CST			0	0		Hail (0.75)	

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NORTH DAKOTA, Central and West							
Ham radio operator reported 50 mph wind with storm.							
Burleigh County							
(Bis)Bismarck Muni A	09	1749CST			0	0	Hail (1.00)
An approaching upper level system provided lift to produce severe thunderstorms over central North Dakota Saturday afternoon and evening. Abundant low level moisture combined with relatively cool air aloft lead to the formation of an incredible amount of hail with many of these storms. The hail caused a tremendous amount of damage to homes and vehicles in the Bismarck and Mandan area's. A estimated damage from the hail in the two cities amounted around \$260 million. The wind speed associated with the storm ranged between 50 to 60 mph.							
Morton County							
Mandan	09	1751CST			0	0	Hail (0.75)
Kidder County							
15 S Dawson	09	1800CST			0	0	Hail (1.00)
The hail fell on the Kidder/Logan county line.							
Stark County							
Richardton	09	1803CST			0	0	Thunderstorm Wind (G52) M
Pea size hail and very heavy rain accompanied the storm.							
Emmons County							
7 NNW Hazelton	09	1810CST			0	0	Hail (0.88)
Emmons County							
7 NNW Hazelton	09	1810CST			0	0	Thunderstorm Wind (G60)
Major damage to a barn.							
Emmons County							
9 NW Hazelton to 2 E Hazelton	09	1810CST 1825CST			0	1	Tornado (F1)
Drivers along Highway 83 witness a vehicle drive into the path of the tornado. The vehicle was thrown into the ditch injuring the driver. Other damage by the tornado includes four power lines down along highway 83. Tops of evergreen tree's snapped off. The damage was also verified by a storm chase team.							
Morton County							
Hebron	09	1812CST			0	0	Hail (0.75)
Mercer County							
Stanton	09	1815CST			0	0	Hail (0.75)
Stark County							
15 S Richardton	09	1815CST			0	0	Hail (0.75)
Emmons County							
Hazelton	09	1815CST			0	0	Thunderstorm Wind (G52)
Several tree's uprooted. Pea to marble size hail accompanied the storm.							
Burleigh County							
6 SE Menoken	09	1815CST 1845CST			0	0	Hail (2.00)
Resident at a farm reported the hail lasted 30 minuates and mostly golf ball size. The hail injured a large number of his livestock, smashed vehicle windows and wiped out most of the crops.							
Oliver County							
7 NE Center	09	1820CST			0	0	Thunderstorm Wind (G70)
A public report of a 10 foot section of a roof lifted off home. A mobile home had wind and hail damage. A top of a camper completely destroyed.							
Oliver County							
Center	09	1825CST			0	0	Hail (0.75)
Emmons County							
Hazelton	09	1825CST			0	0	Thunderstorm Wind (G74)
Major damage to homes and businesses in the Hazelton area due to high winds and fallen tree's. One 25,000-bushel grain bin, five 5,000-bushel grain bins, four stor-all-bins and a fertilizer storage bin were destroyed. The wind and hail destroyed or damaged numerous barns, pole buildings, farm homes, crops and hay land in rural areas. High winds downed power lines and overturned one car.							
Morton County							
Glen Ullin	09	1834CST			0	0	Hail (1.00)
Hettinger County							
14 N Burt	09	1840CST			0	0	Hail (1.75)

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<u>NORTH DAKOTA, Central and West</u>									
Logan County									
Napoleon	09	1853CST 1918CST			0	0		Hail (0.75)	
		Duration of the hail was 25 minutes.							
Grant County									
15 N Elgin	09	1855CST			0	0		Hail (0.88)	
Grant County									
Elgin	09	1900CST			0	0		Hail (1.00)	
Logan County									
Napoleon	09	1910CST			0	0		Thunderstorm Wind (G87)	
		Cooperative observer reported roof blown off a business and mature tree's uprooted.							
Mcintosh County									
Wishek	09	1926CST			0	0		Hail (0.75)	
Mcintosh County									
Wishek	09	1926CST			0	0		Thunderstorm Wind (G52)	
		Report of a roof blown off a farm shed.							
Morton County									
6 SW Flasher	09	1933CST			0	0		Hail (0.75)	
Burleigh County									
4 E (Bis)Bismarck Mur	09	1936CST			0	0		Funnel Cloud	
Mcintosh County									
3 W Ashley	09	1938CST			0	0		Hail (0.75)	
Logan County									
Lehr	09	1940CST			0	0		Thunderstorm Wind (G65)	
		Emergency manager reported large tree's uprooted and damage to several homes in town. Campers were overturned and a business had one basement collapse. One cabin was completely destroyed at Beaver Lake State Park and one camper was blown over into beaver Lake. A number of power lines were downed by the storm.							
Mcintosh County									
Ashley	09	1945CST			0	0	100K	Hail (2.75)	
		Vehicle lot severely damaged. Widespread auto and roof damage throughout the city.							
Mcintosh County									
Wishek	09	2000CST			0	0		Thunderstorm Wind (G56)	
		Tree's and power lines reported down.							
Sioux County									
Selfridge	09	2005CST 2015CST			0	0		Hail (0.75)	
		The hail covered the ground							
Mcintosh County									
Wishek	09	2015CST			0	0		Thunderstorm Wind (G56)	
		Several large tree's uprooted and a street light pole snapped off in the city.							
Sioux County									
Ft Yates	09	2016CST			0	0		Hail (0.75)	
		Winds of 45 mph accompanied the storm.							
Dickey County									
Oakes	09	2030CST			0	0		Thunderstorm Wind (G74)	
		Empty railroad cars moved down the tracks by the wind. A large garbage dumpster blown down a street. Numerous tree's uprooted and roof blown off building.							
Mclean County									
7 W Washburn	11	0100CST			0	0		Hail (0.75)	
Pierce County									
Rugby	11	0150CST			0	0		Thunderstorm Wind (G52)	
		Numerous small tree's reported down and fence knocked over at a golf course.							
Morton County									
Mandan	11	0320CST			0	0		Hail (0.75)	
Stutsman County									
Eldridge	11	0755CST			0	0		Hail (1.75)	
Stutsman County									
Jamestown	11	0800CST			0	0		Hail (0.88)	

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<u>NORTH DAKOTA, Central and West</u>								
Logan County								
4 W Napoleon	12	2200CST			0	0	45K	Thunderstorm Wind (G70)
								Damage to pole barns and farm house caused approximately 45 thousand dollars .
Mchenry County								
2 W Norwich	15	1827CST			0	0		Hail (1.75)
Stutsman County								
6 N Woodworth	16	1645CST			0	0		Hail (1.25)
								Hail was flat and jagged.
Stutsman County								
4 NW Buchanan	16	1732CST			0	0		Hail (0.75)
								Hail covered the road for a mile and a half distance.
Stutsman County								
6 ENE Ypsilanti	16	1813CST			0	0		Hail (0.88)
Mckenzie County								
8 NW Alexander	17	1725CST			0	0		Hail (0.75)
								Heavy rain accompanied the hail.
Renville County								
Glenburn	17	1837CST			0	0		Funnel Cloud
								Two funnel clouds were observed briefly.
Ward County								
(Mib)Minot Afb	17	1944CST			0	0		Thunderstorm Wind (G67) M
Adams County								
5 SE Haynes	18	0425CST 0435CST			0	0		Hail (1.75)
								The hail event lasted 10 minutes.
Bowman County								
Bowman Arpt	18	0430CST			0	0		Thunderstorm Wind (G61) M
Adams County								
Haynes	18	0430CST			0	0		Hail (2.75)
Adams County								
Hettinger	18	0453CST			0	0		Hail (0.88)
Adams County								
Hettinger Arpt	18	0453CST			0	0		Thunderstorm Wind (G55) M
Pierce County								
Rugby	20	1200CST			0	0		Funnel Cloud
Pierce County								
2 W Orrin	20	1230CST 1231CST			0	0		Tornado (F0)
								Tornado briefly touched down in open country.
Stutsman County								
Montpelier	20	1433CST			0	0		Hail (1.50)
La Moure County								
5 E Marion	20	1520CST			0	0		Hail (0.88)
Logan County								
Napoleon	20	1534CST			0	0		Hail (0.75)
Renville County								
5 E Sherwood to 7 E Sherwood	24	2109CST 2125CST			0	0		Tornado (F0)
								The tornado moved slowly east reaching the Bottineau county line around 925 pm cst. The tornado skipped over the open country side.
Bottineau County								
10 W Antler to 6 W Antler	24	2125CST 2135CST			0	0		Tornado (F0)
								Tornado moved into Bottineau county from Renville county. The tornado remained in open country lifting back into the clouds 6 miles west of Antler.
Slope County								
16 NNW Marmarth	27	1620CST			0	0		Hail (0.88)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
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NORTH DAKOTA, Central and West

Golden Valley County

3 S Golva	27	1645CST			0	0	Hail (0.88)
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Bowman County

16 SW Rhame	27	1705CST			0	0	Lightning
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Lightning struck and killed a calf in the front yard of a ranch.

Bowman County

9 S Rhame	27	1725CST			0	0	Lightning
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Lightning caused a prairie fire which was put out by rain from the storm.

Bowman County

12 SSW Rhame	27	1735CST			0	0	Hail (0.75)
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Mountrail County

3 NW Stanley	27	2000CST			0	0	Heavy Rain
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Reports of 4.75 inches of rain fell in a 12 hour period of time resulting in culverts on the back roads washing out.

NORTH DAKOTA, East

Sargent County

Cogswell	09	2130CST			0	0	Hail (0.75)
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Sargent County

Cogswell	09	2130CST			0	0	0.50K	Thunderstorm Wind
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Branches were blown down.

Benson County

4 E Leeds	11	0200CST			0	0	0.50K	Thunderstorm Wind
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Tree branches were blown down.

Towner County

Cando	11	0230CST			0	0	0.50K	Thunderstorm Wind
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Large tree branches were blown down.

Ransom County

2 N Ft Ransom	11	0720CST			0	0	Hail (0.75)
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Ransom County

Mc Leod	11	0800CST			0	0	Hail (2.00)
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Richland County

8 NW Wyndmere	11	0803CST			0	0	Hail (2.00)
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Barnes County

2 S Eckelson	11	0815CST			0	0	Hail (1.50)
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Richland County

Wahpeton	11	0815CST			0	0	Hail (0.75)
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Barnes County

Valley City	11	0846CST 0850CST			0	0	Hail (1.75)
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Cass County

1 E Tower City	11	0917CST			0	0	Hail (1.75)
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Barnes County

5 SW Valley City	11	0920CST			0	0	Hail (0.75)
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Barnes County

1 N Valley City	11	0930CST			0	0	Hail (2.00)
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Cass County

2 N Buffalo	11	0940CST			0	0	0.50K	Hail (1.00)
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The hail broke the windshield on a car.

Barnes County

Kathryn	11	0948CST			0	0	Hail (0.75)
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Cass County

5 E Argusville	11	1010CST			0	0	Hail (0.88)
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Richland County

7 NW Walcott to	11	1030CST			0	0	Hail (0.75)
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6 NW Walcott

Cass County

Fargo	11	1036CST 1044CST			0	0	Hail (0.75)
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Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>NORTH DAKOTA, East</u>									
Trail County									
Taft	11	1115CST			0	0	15K	Thunderstorm Wind	
Strong winds destroyed a garage near Taft. One of the large beams that supported the garage was carried 50 feet and into the neighboring trailer home wall.									
Ransom County									
1 S Enderlin	13	1700CST			0	0		Hail (0.75)	
Cass County									
5 E Alice	13	1730CST			0	0		Hail (0.75)	
Richland County									
10 W Colfax	16	1400CST			0	0		Hail (1.00)	
Richland County									
4 S Colfax	16	1423CST			0	0		Hail (0.75)	
Richland County									
Galchutt	16	1437CST			0	0		Hail (0.75)	
Richland County									
3 SW Abercrombie	16	1440CST			0	0		Hail (0.88)	
Ransom County									
7 E Sheldon	16	1630CST			0	0		Hail (0.75)	
Barnes County									
8 S Urbana	16	1813CST			0	0		Hail (0.88)	
The ground was white with hail.									
Barnes County									
7 NW Litchville to	16	1829CST			0	0		Hail (1.00)	
4 NW Litchville		1836CST							
Ransom County									
Lisbon	17	2315CST			0	0	15K	Lightning	
Lightning struck a home in Lisbon, starting a fire in the attic.									
Cavalier County									
2 W Munich	19	1235CST			0	0		Hail (0.75)	
Cavalier County									
3 S Alsen	19	1258CST			0	0		Hail (0.75)	
Cavalier County									
5 SE Alsen	19	1310CST			0	0		Hail (0.88)	
Cavalier County									
4 SW Loma	19	1318CST			0	0		Hail (0.75)	
Ramsey County									
7 E Hampden	19	1320CST			0	0		Hail (0.75)	
Ramsey County									
7 N Edmore	19	1338CST			0	0		Hail (1.00)	
Walsh County									
3 W Fairdale	19	1349CST			0	0		Hail (1.00)	
Walsh County									
2 SW Fairdale	19	1400CST			0	0		Hail (0.75)	
Walsh County									
4 NW Pisek	19	1437CST			0	0		Hail (0.75)	
Nelson County									
5 S Tolna	19	1820CST			0	0		Hail (0.75)	
Benson County									
3 N Minnewaukan	20	1153CST			0	0		Hail (0.88)	
Benson County									
4 S Minnewaukan to	20	1204CST			0	0		Tornado (F0)	
5 SE Minnewaukan		1206CST							
Intermittent touchdowns were reported.									
Benson County									
Oberon	20	1225CST			0	0		Tornado (F0)	
A brief touchdown was reported.									

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>NORTH DAKOTA, East</u>									
Ramsey County									
4 SW Devils Lake	20	1225CST			0	0		Hail (1.75)	
Benson County									
2 S St Michael	20	1230CST			0	0		Hail (0.88)	
Hail covered the ground.									
Benson County									
4 W Ft Totten	20	1235CST			0	0		Tornado (F0)	
A brief touchdown was reported.									
Nelson County									
10 S Michigan City	20	1238CST			0	0		Hail (0.75)	
Nelson County									
10 S Michigan City	20	1238CST			0	0		Thunderstorm Wind (G61)	
Benson County									
Ft Totten	20	1245CST			0	0		Hail (1.00)	
Nelson County									
6 SW Petersburg	20	1245CST			0	0		Hail (0.88)	
Grand Forks County									
2 S Shawnee	20	1255CST			0	0		Tornado (F0)	
A pilot reported a touchdown.									
Benson County									
8 E Warwick	20	1310CST			0	0		Hail (0.75)	
Eddy County									
Hamar	20	1311CST			0	0		Hail (0.75)	
Steele County									
19 NE Sharon	20	1343CST			0	0		Hail (1.00)	
Nelson County									
5 SW Mc Ville	20	1345CST			0	0		Hail (0.75)	
Traill County									
Hatton	20	1345CST			0	0		Hail (1.00)	
Grand Forks County									
3 SE Northwood	20	1352CST			0	0		Hail (1.00)	
Griggs County									
6 NW Jessie	20	1405CST			0	0		Hail (0.88)	
Grand Forks County									
10 W Reynolds	20	1409CST			0	0		Hail (0.75)	
Traill County									
5 SW Reynolds	20	1420CST			0	0		Tornado (F0)	
A brief tornado touchdown was reported.									
Steele County									
Sharon	20	1425CST			0	0		Hail (0.75)	
Griggs County									
12 NE Cooperstown	20	1430CST			0	0		Hail (0.75)	
Traill County									
8 E Mayville	20	1435CST			0	0		Tornado (F0)	
A brief touchdown was reported.									
Traill County									
11 E Mayville	20	1441CST			0	0		Tornado (F0)	
A brief touchdown was reported along Interstate 29.									
Traill County									
Cummings to	20	1443CST			0	0	30M	Hail (1.00)	
2 E Cummings		1445CST							
Snowplows were called out to remove the 5 inch deep layer of hail from Interstate 29. The melting hail produced a layer of ground fog, which reduced the visibility to around 100 feet. The hailstorm caused an estimated 30 million dollars in damage to Traill county.									
Barnes County									
10 W Litchville	20	1455CST			0	0		Hail (0.75)	
Barnes County									
2 W Litchville	20	1510CST			0	0		Hail (0.75)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
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NORTH DAKOTA, East

Barnes County

2 N Eckelson 20 1518CST 0 0 Hail (0.75)

Richland County

3 W Mantador 20 1522CST 0 0 Hail (0.75)

Richland County

2 NW Mantador 20 1530CST 0 0 Hail (0.75)

Ransom County

4 N Lisbon 20 1540CST 0 0 Hail (0.75)

Barnes County

Valley City 20 1545CST 0 0 Hail (1.00)

Hail was reported to be 2 to 3 inches deep.

Barnes County

6 SE Valley City 20 1600CST 0 0 Hail (0.75)

Cass County

1 SE Arthur 20 1605CST 0 0 Hail (0.75)

Eddy County

2 N New Rockford 25 0525CST 0 0 Hail (1.25)

OHIO, East

Belmont County

St Clairsville 06 0650EST 0 0 50K Flood
1020EST

Strong thunderstorms produced rainfall amounts of between 1.5 and 2 inches in less than 2 hours over the eastern part of the county, and caused minor road and basement flooding in many areas, including the St. Clairsville, Glencoe, Colerain and Neffs areas. A retirement center in Neffs had a few inches of water in some of its units as a result of poor drainage around the building. In Warnock, the Post Office was evacuated due to high water.

Tuscarawas County

5 S Sugar Creek 12 1645EST 0 0 5K Thunderstorm Wind

Thunderstorm winds downed several trees and power lines.

Coshocton County

New Guilford 12 1702EST 0 0 5K Thunderstorm Wind

Thunderstorm winds downed several large trees.

Noble County

7 S Caldwell 12 1910EST 0 0 5K Thunderstorm Wind

Thunderstorm winds downed several trees.

Guernsey County

Cambridge 21 1725EST 0 0 1K Thunderstorm Wind

Thunderstorm winds downed several large tree limbs.

Monroe County

Lewisville 21 1755EST 0 0 5K Thunderstorm Wind

Thunderstorm winds downed several trees.

Harrison County

Cadiz 21 1800EST 0 0 2K Thunderstorm Wind

Thunderstorm winds downed a large tree.

Belmont County

Powhatan Pt 21 1810EST 0 0 5K Thunderstorm Wind
1820EST

Thunderstorm winds downed several trees across the southeastern portion of the county, including Powhatan Point and Shadyside.

Monroe County

Beallsville 21 1815EST 0 0 5K Thunderstorm Wind

Thunderstorm winds downed several trees.

Carroll County

Kilgore 21 1818EST 0 0 1K Thunderstorm Wind

Thunderstorm winds downed several large tree limbs.

OHIO, North

Lorain County

Eaton Estates to 02 1830EST 0 0 Hail (0.75)
Countywide

Dime size hail was reported three miles east of Eaton Estates near Columbia Station.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
OHIO, North							
Cuyahoga County							
Strongsville	02	1842EST			0	0	Hail (0.75)
		Dime size hail was reported.					
Morrow County							
Chesterville	12	1539EST			0	0	Hail (0.75)
		Dime size hail was reported.					
Holmes County							
Millersburg	12	1550EST			0	0	500K Thunderstorm Wind
		Thunderstorm downburst winds of 60 to 70 mph caused extensive damage on the west side of Millersburg. Hardest hit was the Holmes County Fairgrounds where a covered grandstand was toppled and destroyed. Four other buildings at the fairgrounds were damaged and a small shed was also destroyed. Nearby, a business lost a ten foot section of roof to the high winds. The damage path from the downburst was approximately one half mile in length and several hundred yards in width. Around two dozens trees were downed along this path.					
Morrow County							
Mt Gilead	12	1550EST			0	0	10K Thunderstorm Wind
		Thunderstorm winds downed many trees along a mile and a half long path approximately five miles south of Mt. Gilead. The damage path began near State Route 61 and roughly followed County Road 170.					
Morrow County							
Sparta	12	1555EST			0	0	50K Hail (1.00)
		Quarter size hail was reported. Several cars parked near a school were damaged by the hail.					
Lucas County							
Countywide	15	1645EST 1700EST			0	0	7K Thunderstorm Wind
		Thunderstorm winds downed five trees across the county.					
Lucas County							
Toledo Express Arpt	19	1914EST 1920EST			0	0	25K Hail (1.25)
		Half dollar size hail was reported just west of Toledo Express Airport. A few cars suffered minor damage.					
Lucas County							
Countywide	19	1915EST 1955EST			0	0	30K Thunderstorm Wind
		Thunderstorm winds downed many trees across the county.					
Lucas County							
Holland	19	1926EST			0	0	Hail (0.75)
		Dime size hail was reported two miles west of Holland.					
Lucas County							
Holland	19	1932EST			0	0	Hail (0.88)
		Nickel size hail was reported one mile west of Holland.					
Lucas County							
Ottawa Hills	19	1934EST			0	0	20K Hail (1.25)
		Half dollar to quarter size hail was reported three miles west of Ottawa Hills. A few cars were damaged.					
Lucas County							
Toledo Express Arpt	19	1936EST			0	0	Hail (0.75)
		Dime size hail was reported just west of Toledo Express Airport.					
Lucas County							
West Toledo	19	1946EST			0	0	Hail (0.75)
		Dime size hail was reported.					
Lucas County							
Toledo	19	1948EST			0	0	Hail (0.88)
		Nickel to dime size hail was reported on the northwest side of Toledo.					
Seneca County							
Tiffin	19	2106EST			0	0	Hail (1.00)
		Quarter size hail was reported just southeast of Tiffin.					
Seneca County							
Bloomville	19	2114EST			0	0	Hail (1.00)
		Quarter size hail was reported.					
Huron County							
Hartland	19	2150EST			0	0	Hail (0.88)
		Nickel size hail was reported.					

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>OHIO, North</u>							
Lorain County							
Elyria	20	1630EST			0 0	75K	Thunderstorm Wind
							Thunderstorm winds downed many trees in Elyria. One home lost a large section of roof and two others were damaged by fallen trees.
Cuyahoga County							
North Royalton	20	1705EST 1710EST			0 1	500K	Thunderstorm Wind
							A thunderstorm downburst with winds estimated at 80 mph caused considerable damage along York Road between Albion Road and State Route 82 . The damage path from the downburst was oriented from west to east and was a half mile wide and approximately one mile long. Several hundred trees were downed and many homes damaged. A few cars were also damaged by fallen trees. A man was hit by a falling tree. He was taken to a local hospital and treated for a large cut on his forehead.
Cuyahoga County							
North Royalton	20	1710EST			0 0	40K	Hail (1.75)
							Golf ball size hail was reported. Several cars were damaged.
Cuyahoga County							
Shaker Hgts	21	1429EST			0 0		Hail (0.75)
							Dime size hail was reported.
Lorain County							
Lorain	21	1945EST			0 0	5K	Thunderstorm Wind
							Thunderstorm winds downed a few trees.
<u>OHIO, Northwest</u>							
Defiance County							
Ney	12	0215EST			0 0	0	Thunderstorm Wind
							One tree down.
Paulding County							
2 N Payne	12	0230EST			0 0	0	Thunderstorm Wind
							Tree down
Defiance County							
Independence	12	0235EST			0 0	1K	Thunderstorm Wind
							Telephone pole snapped
Paulding County							
Payne	12	0235EST			0 0	0	Thunderstorm Wind
							Tree down.
Henry County							
Holgate	12	0245EST			0 0	0	Thunderstorm Wind
							Tree down.
Henry County							
Liberty Center	12	0245EST			0 0	0	Thunderstorm Wind
							Tree down.
Van Wert County							
Converse to Convoy	12	0250EST			0 0	0	Thunderstorm Wind
							Large branches down.
Putnam County							
Belmore	12	0310EST			0 0	0	Thunderstorm Wind
							Trees down on power lines.
Putnam County							
Leipsic	12	0310EST			0 0	0	Thunderstorm Wind
							Trees and power lines down.
Putnam County							
Pandora	12	0320EST			0 0	0	Thunderstorm Wind
							Tree down.
Allen County							
1 SW Cairo	12	0340EST			0 0	3K	Thunderstorm Wind
							Telephone poles down.
Williams County							
5 S Bryan	19	1806EST			0 0		Hail (0.75)
Williams County							
5 W Bryan	19	1828EST			0 0		Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
OHIO, Northwest							
Fulton County							
Wauseon	19	1843EST			0	0	Hail (0.88)
Fulton County							
Wauseon	19	1844EST			0	0	Hail (1.75)
Fulton County							
2 E Wauseon	19	1845EST			0	0	Hail (1.00)
Fulton County							
1 SE Delta	19	1855EST			0	0	Hail (1.00)
Fulton County							
2 E Delta	19	1902EST			0	0	Hail (1.00)
OHIO, Southeast							
Athens County							
East Portion	01	1415EST 1530EST			0	0	3K Flash Flood
State highway garage personnel reported minor damage to roads from overflowed streams. Rains of 1.5 to 2 inches fell in less than 2 hours. No dwellings were affected							
Gallia County							
6 S Gallipolis	02	1745EST			0	0	Hail (0.75)
Dime size hail fell around Eureka.							
Jackson County							
3 W Jackson	06	1819EST			0	0	2K Thunderstorm Wind
Several trees and large branches fell.							
Gallia County							
Cheshire	06	1845EST			0	0	2K Thunderstorm Wind
A few large trees and large branches were knocked down.							
Washington County							
Marietta	12	1700EST			0	0	8K Lightning
A two car garage on Lancaster Street was struck, damaging the structure and a nearby car.							
Athens County							
Countywide	12	1850EST 2030EST			0	0	5K Flash Flood
Minor flooding occurred south of Nelsonville, plus in the Shade to Coolville corridor. Roads were covered by small stream overflow. No dwellings were affected.							
Washington County							
Watertown to Devola	12	1905EST 1915EST			0	2	Lightning
Two men were stuck by separate lightning bolts. One was in Muskingum Township, the other was from Waterford Township. They were treated and released from Marietta hospitals.							
Morgan County							
Pennsville	12	1910EST			0	0	2K Thunderstorm Wind
Fallen trees blocked County Route 39.							
Athens County							
2 W Albany	12	1920EST			0	0	Hail (1.00)
Washington County							
Marietta	12	1922EST			0	0	Hail (0.75)
Meigs County							
Pomeroy	12	2012EST			0	0	Hail (0.75)
Meigs County							
Burlingham	12	2015EST			0	0	5K Hail (1.75)
Golfball size hail fell along Route 33.							

Storm Data and Unusual Weather Phenomena

								June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>OHIO, Southwest</u>								
Licking County								
Johnstown	01	1107EST			0	0	40K	Thunderstorm Wind (G50)
Structural damage to one house in Monroe Township near Johnstown.								
Pickaway County								
1 SW Circleville to 1 SE Circleville	02	1445EST 1447EST			0	0	50K	Tornado (F0)
A small tornado moved across the south side of Circleville producing minor structural and roof damage to a few buildings, and some damage to nine cars at a dealership. Numerous trees and power lines were also knocked down.								
Hamilton County								
North Portion	06	1533EST 1630EST			0	0	10K	Flood
Numerous roads flooded. High water causing basement flooding reported in Colerain								
Clinton County								
2 N New Vienna	06	1620EST 1625EST			0	0	10K	Thunderstorm Wind (G55)
Barn was damaged along with several trees knocked down								
Highland County								
Samantha	06	1626EST 1628EST			0	0	10K	Thunderstorm Wind (G55)
Structural damage to and the roof pulled off of one house								
Warren County								
Mason	06	1626EST 1830EST			0	0	3K	Flood
High water on roadways in Mason and Deerfield Township								
Clinton County								
5 NW Wilmington	06	1630EST 1830EST			0	0	3K	Flood
High water on Gurneyville Road								
Ross County								
Bainbridge	06	1645EST 1650EST			0	0	5K	Thunderstorm Wind (G50)
Numerous trees knocked down								
Pike County								
Waverly	06	1725EST 1728EST			0	0		Hail (0.88)
Pike County								
Waverly	06	1812EST 1900EST			0	0	3K	Flood
4 to 8 inches of water on US Route 23								
Fayette County								
5 N Washington Court Washington Court Hou	06	1815EST 2200EST			0	0	5K	Flood
High water on US 62 and Washington Road								
Warren County								
Countywide	06	1856EST 2000EST			0	0	10K	Flood
Nine roads were closed due to high water across the eastern part of the county and in Lebanon. There was a small landslide on Corwin Road near Fort Ancient State Park								
Clinton County								
New Vienna	06	1930EST 2200EST			0	0	3K	Flood
Street flooding throughout town								
Hamilton County								
2 NE Mt Healthy to Mt Healthy	06	2000EST 2130EST			0	0	3K	Flood
High water on roadways throughout Springfield Township. A creek was also reported out of its banks								
Clermont County								
Goshen to Felicity	06	2030EST 2245EST			0	0	3K	Flood
Streets and roads flooded								

Storm Data and Unusual Weather Phenomena

June 2001

								June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm	
OHIO, Southwest								
Ross County								
Bainbridge	06	2100EST 2330EST			0	0	3K	Flood
High water on roadways								
Clark County								
New Carlisle	11	1530EST 1540EST			0	0	5K	Thunderstorm Wind (G55)
A thunderstorm produced strong winds which caused roof damage at a treatment plant. Trees were also downed in the western part of the county.								
Clark County								
Springfield	11	1530EST			0	0		Lightning
A lightning strike to a home injured the homeowner.								
Clark County								
New Carlisle	11	1605EST 1745EST			0	0	5K	Flood
Thunderstorms produced heavy rain which caused high water on roads.								
Miami County								
Piqua	11	1630EST 1634EST			0	0	3K	Thunderstorm Wind (G50)
A thunderstorm produced strong winds which knocked down numerous trees and a power line.								
Montgomery County								
Huber Hgts	11	1645EST 1649EST			0	0	3K	Thunderstorm Wind (G50)
Thunderstorms produced strong winds which knocked down trees and power lines.								
Greene County								
Fairborn to Yellow Spgs	11	1657EST 1705EST			0	0	3K	Thunderstorm Wind (G52)
Thunderstorms produced winds gusting to 60 mph with trees knocked down. One inch diameter hail also occurred.								
Greene County								
Fairborn	11	1658EST 1845EST			0	0	5K	Flood
Thunderstorms produced heavy rain which produced street flooding and high water on roads.								
Shelby County								
Port Jefferson	12	0800EST 0810EST			0	0	5K	Thunderstorm Wind (G50)
A morning thunderstorm (time estimated) knocked down large limbs and a tree. The tree fell on a home causing damage.								
Miami County								
4 SE Tipp City	12	1700EST 1703EST			0	0	3K	Thunderstorm Wind (G50)
A few trees were blown down								
Montgomery County								
Huber Hgts	12	1712EST 1715EST			0	0	3K	Hail (0.75)
Greene County								
2 E Yellow Spgs to Jamestown	12	1730EST 1742EST			0	0	10K	Thunderstorm Wind (G60)
A swath of trees was knocked down from just east of Yellow Springs, through Cedarville to near Jamestown. One hundred trees were downed in John Bryan State Park, and a barn was damaged on Larkin Road								
Franklin County								
Grove City	12	1735EST 1738EST			0	0		Hail (0.75)
Madison County								
South Solon	12	1810EST 1812EST			0	0	3K	Thunderstorm Wind (G50)
Trees were knocked down on the south side of town								
Pickaway County								
5 NW South Bloomfield	12	1810EST 1812EST			0	0	3K	Thunderstorm Wind (G50)
A few trees were knocked down								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
OHIO, Southwest								
Fayette County								
Jeffersonville	12	1815EST 1818EST			0	0	3K	Thunderstorm Wind (G50)
			Trees and power lines were downed on the southeast side of town					
Greene County								
3 SE Bowersville	12	1815EST 1818EST			0	0	3K	Thunderstorm Wind (G50)
			Trees were knocked down throughout the southeast portion of Jefferson Township					
Clinton County								
Wilmington	12	1830EST 1834EST			0	0	6K	Thunderstorm Wind (G50)
			Trees and limbs down with a roof reported blown off of a greenhouse					
Montgomery County								
5 S Dayton	12	1840EST 1844EST			0	0	4K	Thunderstorm Wind (G50)
			Several trees and power lines reported down					
Preble County								
Countywide	12	1849EST 1859EST			0	0	5K	Thunderstorm Wind (G50)
			Several trees down					
Ross County								
2 E Chillicothe	12	1850EST 1853EST			0	0	3K	Thunderstorm Wind (G50)
			A few trees downed					
Greene County								
Fairborn	12	1908EST 1912EST			0	0		Hail (0.75)
Warren County								
Springboro	12	1915EST 1920EST			0	0	6K	Thunderstorm Wind (G60)
			Roof and siding damage to house reported along with several trees knocked down					
Butler County								
Middletown	12	1920EST 1924EST			0	0	3K	Thunderstorm Wind (G50)
			A few trees knocked down					
Montgomery County								
5 E Dayton	12	1930EST 2015EST			0	0	5K	Flood
			Two feet of water on roadways across eastern part of county					
Ross County								
2 W Mooresville to 3 E Mooresville	12	1930EST 1935EST			0	0	4K	Thunderstorm Wind (G50)
			Trees knocked down across the eastern part of the county					
Highland County								
3 N Leesburg	12	1940EST 1944EST			0	0	3K	Thunderstorm Wind (G50)
			A few trees knocked down					
Montgomery County								
Dayton	12	1940EST			0	0	100K	Lightning
			Lightning struck a building causing it to catch on fire.					
Pike County								
Countywide	12	1940EST 1950EST			0	0	4K	Thunderstorm Wind (G50)
			Several trees knocked down across the county					
Clermont County								
Countywide	12	1955EST 2005EST			0	0	5K	Thunderstorm Wind (G55)
			Trees were knocked down throughout Miami, Goshen and Jackson Townships					

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
OHIO, Southwest							
Hamilton County							
Indian Hill Vlg	12	2000EST 2015EST			0 0	20K	Thunderstorm Wind (G50)
							Numerous trees knocked down, one of which fell on a home.
Warren County							
Waynesville	12	2030EST 2115EST			0 0	3K	Flood
							Roads closed and street flooding on West Clarksville Road
Adams County							
Seaman	12	2045EST 2048EST			0 0	3K	Thunderstorm Wind (G50)
							A few trees knocked down
Preble County							
Eaton	13	1500EST 1510EST			0 0	2K	Flood
							A few streets flooded in and around town
Preble County							
Eaton	13	1520EST 1600EST			0 0	3K	Flood
							Street flooding reported in town
Greene County							
Beavercreek	13	1605EST 1608EST			0 0	3K	Thunderstorm Wind (G50)
							A few trees down
Highland County							
Hillsboro	14	1135EST 1138EST			0 0	3K	Thunderstorm Wind (G50)
							Trees down throughout town
Brown County							
Ripley	14	1325EST 1328EST			0 0		Hail (0.75)
Hamilton County							
3 NW Cleves	15	1647EST 1649EST			0 0	2K	Thunderstorm Wind (G50)
							Two trees down in Whitewater Township
Clark County							
Enon	15	1725EST 1728EST			0 0	5K	Thunderstorm Wind (G55)
							Several trees up to one foot in diameter knocked down
Clark County							
9 E Springfield	19	2322EST 2325EST			0 0		Hail (1.00)
Adams County							
Countywide	21	1319EST 1325EST			0 0	3K	Thunderstorm Wind (G50)
							Thunderstorms produced strong winds which caused large limbs and a tree to be knocked down.
Ross County							
Chillicothe	21	1445EST 1449EST			0 0	5K	Thunderstorm Wind (G55)
							Thunderstorms produced strong winds which moved 500 pound bleachers and tore off dugout roofs at a ball field.
Hocking County							
Logan	21	1505EST 1508EST			0 0	3K	Thunderstorm Wind (G50)
							Thunderstorms produced strong winds which knocked down large limbs and a tree.
Hamilton County							
Countywide	21	1540EST 1550EST			0 0	50K	Thunderstorm Wind (G55)
							Thunderstorms produced strong winds which knocked down numerous trees across the county. A tree fell on a church causing a hole in the roof.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
OHIO, Southwest							
Butler County							
West Chester	21	1600EST 1605EST			0 0	5K	Thunderstorm Wind (G50)
Thunderstorms produced strong winds which knocked down trees.							
Warren County							
Lebanon	21	1600EST 1605EST			0 0	5K	Thunderstorm Wind (G50)
Thunderstorms produced strong winds which knocked down trees and power poles.							
Clinton County							
Wilmington	21	1635EST 1639EST			0 0	3K	Thunderstorm Wind (G51) ^M
Thunderstorms produced a wind gust to 59 mph at the National Weather Service office. Trees and a power pole were also knocked down.							
Greene County							
Jamestown	21	1700EST 1704EST			0 0	3K	Thunderstorm Wind (G50)
Thunderstorms produced strong winds which knocked down trees.							
Madison County							
South Solon	21	1725EST 1729EST			0 0	3K	Thunderstorm Wind (G50)
Thunderstorms produced strong winds which knocked down trees.							
Delaware County							
Sunbury	23	1743EST 1900EST			0 0	3K	Flood
Thunderstorms produced heavy rain which caused high water on roads.							
OKLAHOMA, Eastern							
OKZ066 Okmulgee							
	01	0000CST			0 0		Flood
	07	0400CST					
At 10 am cdt on May 30 the Deep Fork River near Beggs rose above its flood stage of 18 feet. The river crested at 22.9 feet at 11 pm cdt on June 3rd and then fell below its flood stage at 5 am cdt on June 7.							
Ottawa County							
Fairland	03	0225CST			0 0		Hail (0.75)
Delaware County							
5 NNE Grove	03	0245CST			0 0		Hail (1.00)
Ottawa County							
Wyandotte	03	0325CST			0 0		Hail (0.75)
Delaware County							
10 NE Grove	03	0330CST			0 0		Hail (1.00)
Ottawa County							
3 SE Wyandotte	03	0530CST			0 0		Flash Flood
Heavy thunderstorm rains caused a small stream to flood in a campground in the Sycamore valley. People were evacuated.							
Delaware County							
7 ENE Grove	03	0545CST			0 0	5K	Flash Flood
Heavy thunderstorm rains caused flooding in the Buffalo Creek and Elk River areas. Seventeen people were evacuated from a campground and one person was rescued from a vehicle.							
OKZ058 Ottawa							
	04	1300CST			0 0		Flood
	06	0300CST					
At 2 pm cdt on June 4 the Neosho River at Commerce rose above its flood stage of 15 feet. The river crested at 17.3 feet at noon cdt on June 5. It fell below its flood stage at 4 am cdt on June 6.							
Osage County							
Pawhuska	14	1105CST			0 0		Thunderstorm Wind (G52)
Thunderstorm winds estimated at 60 miles an hour blew down large tree limbs.							
Creek County							
Drumright	14	1509CST 1700CST			0 0		Flash Flood
Heavy thunderstorm rains caused water from small streams to flow over roads.							

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
OKLAHOMA, Eastern								
Osage County								
5 W Skiatook	14	1509CST 1700CST			0	0		Flash Flood
								Heavy thunderstorm rains caused water from small streams to flow over roads.
Osage County								
Hominy	14	1515CST 1600CST			0	0		Flash Flood
								Heavy thunderstorm rains caused street flooding in Hominy.
Washington County								
Bartlesville	14	1525CST 1630CST			0	0		Flash Flood
								Heavy thunderstorm rains caused water to flow over several roads.
Tulsa County								
Owasso	14	1537CST 1630CST			0	0		Flash Flood
								Heavy thunderstorm rains caused street flooding in Owasso.
Nowata County								
Lenapah	14	1540CST 1630CST			0	0		Flash Flood
								Heavy thunderstorm rains caused street flooding in Lenapah.
Cherokee County								
Tahlequah	14	1730CST			0	0	3K	Thunderstorm Wind (G52)
								Thunderstorm winds estimated at 60 miles an hour blew down power lines.
Pittsburg County								
2 SSE Alderson	14	1803CST			0	0	10K	Thunderstorm Wind (G61)
								Thunderstorm winds estimated at 70 miles an hour damage the roofs of two houses and a barn. A large power pole was also blown down.
Latimer County								
Higgins	14	1815CST			0	0	1K	Thunderstorm Wind (G61)
								Thunderstorm winds estimated at 70 miles an hour uprooted a large tree and destroyed an outbuilding.
Choctaw County								
2 E Speer	14	1900CST			0	0		Hail (0.75)
Pushmataha County								
13 ENE Cloudy	14	1900CST			0	0		Hail (0.88)
Le Flore County								
Spiro	14	1932CST			0	0		Thunderstorm Wind (G52)
								Thunderstorm winds estimated at 60 miles an hour blew down large tree limbs.
Sequoyah County								
Sallisaw	14	1935CST			0	0	3K	Thunderstorm Wind (G52)
								Thunderstorm winds estimated at 60 miles an hour blew down power lines.
Delaware County								
4 W Jay	21	0405CST			0	0		Thunderstorm Wind (G61)
								Thunderstorm winds estimated at 70 miles an hour blew down trees.
Delaware County								
4 E Leach	21	0410CST			0	0		Thunderstorm Wind (G61)
								Thunderstorm winds estimated at 70 miles an hour blew down trees.
Adair County								
Westville	21	0525CST			0	0		Thunderstorm Wind (G52)
								Thunderstorm winds estimated at 60 miles an hour blew signs down.
Sequoyah County								
Roland	21	0540CST			0	0		Hail (0.75)
Le Flore County								
Arkoma	21	0610CST			0	0		Thunderstorm Wind (G61)
								Thunderstorm winds estimated at 70 miles an hour blew down a large tree.
OKZ058								
Ottawa								
	21	1000CST			0	0		Flood
	23	2200CST						
								At 11 am cdt the Neosho River near Commerce rose above its flood stage of 15 feet. The river crested at 18.0 feet at 300 pm cdt on June 22. The river fell below its flood stage at 11 pm cdt on June 23.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
OKLAHOMA, Eastern								
Choctaw County								
4 E Ord	21	1525CST			0	0		Hail (0.75)
Choctaw County								
Bluff	27	1142CST			0	0		Hail (0.75)
Pittsburg County								
9 NW Scipio	27	1356CST			0	0		Hail (0.75)
Pittsburg County								
9 NW Scipio	27	1356CST			0	0		Thunderstorm Wind (G52)
Thunderstorm winds estimated at 60 miles an hour blew down large tree limbs.								
Okfuskee County								
Paden	28	0050CST			0	0		Thunderstorm Wind (G52)
Thunderstorm winds estimated at 60 miles an hour blew down large tree limbs.								
Osage County								
5 ENE Okesa	28	0635CST			0	0		Hail (0.88)
Tulsa County								
3 S Collinsville	28	0720CST			0	0		Hail (0.75)
Tulsa County								
Tulsa	28	2204CST			0	0		Hail (0.75)
Penny size hail was reported near the intersection of 41st street and 129 east avenue.								
Tulsa County								
Tulsa	28	2215CST			0	0		Hail (1.75)
Golfball size hail was reported near the intersection of 61st street and countyline road.								
Tulsa County								
Tulsa	28	2258CST			0	0		Hail (1.25)
Half dollar size hail was reported near the intersection of 71st street and Harvard.								
Mayes County								
Pryor	29	0000CST			0	0		Hail (0.75)
Mayes County								
3 S Locust Grove	29	0030CST			0	0		Hail (0.75)
Okfuskee County								
Paden	29	0050CST			0	0		Thunderstorm Wind (G52)
Thunderstorm winds estimated at 60 miles an hour blew down large tree limbs.								
Rogers County								
Inola	29	0145CST			0	0	3K	Thunderstorm Wind (G61)
Thunderstorm winds estimated at 70 miles an hour blew down trees and power poles.								
Pushmataha County								
Cloudy	29	0220CST			0	0		Hail (1.00)
Pushmataha County								
Cloudy	29	0220CST			0	0		Thunderstorm Wind (G52)
Thunderstorm winds estimated at 60 miles an hour blew a satellite dish off a house and also blew down large tree limbs.								
Wagoner County								
2 E Coweta	29	0306CST			0	0		Hail (1.00)
Pushmataha County								
Dunbar	29	0310CST			0	0		Hail (0.88)
Wagoner County								
1 E Coweta	29	0317CST			0	0		Hail (1.00)
Pushmataha County								
Snow	29	0330CST			0	0		Flash Flood
Heavy thunderstorm rains caused streams to overflow their banks around Snow.								
Rogers County								
Inola	29	0345CST			0	0		Hail (0.75)
Rogers County								
Inola	29	0430CST			0	0		Hail (0.88)
Wagoner County								
4 E Coweta	29	0445CST			0	0		Flash Flood
Heavy thunderstorm rains caused Lone Star Road to be flooded.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
OKLAHOMA, Eastern								
Wagoner County								
3 E Coweta	29	0520CST			0	0		Hail (1.00)
Rogers County								
Inola	29	0700CST 0829CST			0	0	100K	Flash Flood
Heavy rains caused flooding along Southwest Boulevard in Inola and Highway 88 north of Inola. Water rescues were performed on Highway 88 and water was in some homes in Inola.								
Mcintosh County								
10 E Checotah	29	2315CST			0	0		Hail (1.00)
Muskogee County								
3 W Warner	29	2315CST			0	0		Hail (1.00)
Muskogee County								
Taft	29	2340CST			0	0	50K	Hail (1.75)
Haskell County								
3 NE Keota	29	2355CST			0	0		Thunderstorm Wind (G61)
Pawnee County								
Pawnee	30	0015CST			0	0		Hail (0.75)
Le Flore County								
Cowlington	30	0027CST			0	0		Thunderstorm Wind (G52)
Le Flore County								
Pocola	30	0027CST			0	0		Thunderstorm Wind (G52)
Le Flore County								
Spiro	30	0027CST			0	0		Thunderstorm Wind (G52)
Mcintosh County								
Checotah	30	0030CST			0	0		Hail (0.75)
Pawnee County								
5 W Pawnee	30	0030CST			0	0		Hail (1.75)
Le Flore County								
Rock Is	30	0054CST			0	0	2K	Hail (1.25)
Half dollar size hail broke the windows out of the west side of a home.								
Le Flore County								
Rock Is	30	0055CST			0	0	50K	Thunderstorm Wind (G61)
Thunderstorm winds estimated at 70 miles an hour blew the roof off a mobile home and partially destroyed a barn. Six other homes had siding blown off.								
Le Flore County								
Pocola	30	0057CST			0	0		Hail (0.75)
Haskell County								
3 NE Keota	30	0100CST			0	0	20K	Flash Flood
Four to six inches of rain caused several roads and low water bridges to be washed out.								
Mcintosh County								
5 N Eufaula	30	0100CST			0	0		Hail (1.75)
Pittsburg County								
2 NE Canadian	30	0120CST			0	0		Hail (2.75)
Mcintosh County								
2 S Eufaula	30	0142CST			0	0		Flash Flood
Heavy thunderstorm rains caused water to flow over the road.								
Mcintosh County								
Eufaula	30	0145CST			0	0		Flash Flood
Heavy thunderstorm rains caused street flooding.								
Pushmataha County								
8 W Eubanks	30	0150CST			0	0		Hail (0.88)
Pushmataha County								
8 W Eubanks	30	0150CST			0	0		Thunderstorm Wind (G52)
Thunderstorm winds estimated at 60 miles an hour blew down several large tree limbs.								
Pittsburg County								
3 N Canadian	30	0154CST			0	0		Hail (0.88)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>OKLAHOMA, Eastern</u>									
Pittsburg County									
2 E Canadian	30	0215CST			0	0		Flash Flood	
Heavy thunderstorm rains washed out a bridge near Lake Eufaula.									
Pittsburg County									
8 NE Mc Alester	30	0246CST			0	0		Hail (1.00)	
Pittsburg County									
Bache	30	0338CST			0	0		Hail (1.00)	
<u>OKLAHOMA, Extreme Southeast</u>									
Mccurtain County									
Idabel	14	1945CST			0	0		Thunderstorm Wind (G58)	
Numerous trees down across power lines.									
Mccurtain County									
Hochatown	14	1955CST			0	0		Thunderstorm Wind (G58)	M
Numerous trees toppled in Beaver Bend State Park.									
Mccurtain County									
2 S Bethel	21	1305CST			0	0		Hail (0.75)	
<u>OKLAHOMA, Panhandle</u>									
Texas County									
7 N Baker	07	1700CST			0	0		Hail (0.75)	
An isolated severe thunderstorm with hail developed over the central Oklahoma panhandle during the early evening hours.									
Beaver County									
7 S Beaver	20	2043CST			0	0		Hail (0.75)	
Beaver County									
Balko	20	2047CST			0	0		Hail (0.75)	
Beaver County									
8 W Slapout	20	2055CST			0	0		Thunderstorm Wind (G69)	M
Severe thunderstorms with large hail and high winds moved through the eastern Oklahoma panhandle during the mid to late evening hours.									
<u>OKLAHOMA, Western, Central and Southeast</u>									
Alfalfa County									
7 NE Amorita	01	1935CST			0	0		Hail (1.00)	
Grant County									
Manchester	01	1951CST			0	0		Hail (0.88)	
Grant County									
6 S Wakita	01	2016CST			0	0		Hail (1.00)	
Beckham County									
Erick	04	1731CST			0	0		Hail (0.75)	
Harmon County									
3 NW Mc Knight	04	1748CST			0	0		Hail (1.00)	
Hail covered the ground.									
Woods County									
Dacoma	04	1813CST			0	0		Hail (0.75)	
Roger Mills County									
10 W Cheyenne	04	1815CST			0	0		Hail (0.75)	
Alfalfa County									
Cherokee	04	1816CST			0	0		Hail (0.88)	
Dewey County									
Vici	04	1858CST			0	0		Hail (0.75)	
Woodward County									
5 E Mutual	04	1910CST			0	0		Hail (2.00)	
Major County									
14 N Chester	04	1928CST			0	0		Hail (0.75)	
Roger Mills County									
1 S Reydon	04	1930CST			0	0		Hail (0.88)	
1945CST									
Major County									
18 NE Chester	04	1943CST			0	0		Hail (1.25)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
OKLAHOMA, Western, Central and Southeast								
Woods County								
14 SE Waynoka	04	1950CST			0	0		Hail (1.75)
Roger Mills County								
4 N Sweetwater	04	2010CST			0	0		Hail (1.75)
Woods County								
8 NW Alva	04	2025CST			0	0		Hail (0.75)
Woods County								
12 N Alva	04	2037CST			0	0		Hail (0.88)
Roger Mills County								
Cheyenne	04	2043CST			0	0		Hail (0.75)
Roger Mills County								
7 NW Reydon	04	2117CST			0	0		Hail (1.75)
Dewey County								
2 SW Leedey	04	2130CST			0	0		Thunderstorm Wind (G61)
Roger Mills County								
3 E Angora	04	2130CST			0	0		Thunderstorm Wind (G61)
Roger Mills County								
2 S Reydon	04	2131CST			0	0		Hail (1.75)
Roger Mills County								
Roll	04	2230CST			0	0		Hail (1.75)
Dewey County								
Camargo	04	2245CST			0	0		Hail (1.00)
Harper County								
Buffalo	04	2255CST			0	0		Hail (0.88)
Dewey County								
Taloga	04	2345CST			0	0		Hail (0.75)
Dewey County								
Seiling	05	0008CST			0	0		Hail (0.88)
Woodward County								
9 SW Woodward	05	1600CST			0	0		Hail (1.00)
Woods County								
14 NNE Camp Houston	05	1642CST			0	0		Hail (1.00)
Woodward County								
18 NNE Mooreland	05	1740CST			0	0		Hail (1.00)
Woods County								
Freedom	05	1805CST			0	0		Hail (0.75)
Ellis County								
Shattuck	05	1825CST			0	0		Hail (0.88)
Woodward County								
Woodward	05	1826CST			0	0		Hail (0.88)
Woodward County								
5 SSW Woodward	05	1834CST			0	0	0	Tornado (F0)
This brief tornado was observed by a storm chaser causing no damage in a field in southwest Woodward County.								
Woodward County								
Woodward	05	1900CST			0	0		Hail (0.88)
Ellis County								
1 N Shattuck	05	1902CST			0	0		Hail (1.25)
Woodward County								
Woodward	05	1933CST			0	0		Flash Flood
Significant street flooding occurred on the south side of Woodward.								
Woodward County								
2 E Tangier	05	1942CST			0	0		Hail (0.88)
Dewey County								
4 NNW Camargo	05	2025CST			0	0		Thunderstorm Wind (G58) M
Dewey County								
4 NNW Camargo	05	2030CST			0	0		Thunderstorm Wind (G58) M
Wind was measured by Oklahoma mesonet.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
OKLAHOMA, Western, Central and Southeast								
Ellis County								
13 SE Harmon	05	2100CST			0	0	0.01K	Thunderstorm Wind
		Tree limbs were downed.						
Custer County								
1 N Moorewood	05	2225CST			0	0		Hail (1.00)
Beckham County								
6 NNW Mayfield	05	2240CST			0	0		Hail (1.00)
Roger Mills County								
Sweetwater	05	2240CST			0	0		Hail (1.00)
Beckham County								
4 N Elk City	05	2300CST			0	0		Thunderstorm Wind (G52)
Roger Mills County								
1 E Angora	05	2300CST			0	0	25K	Flash Flood
		Numerous thunderstorms, which produced heavy rain for several hours across northwest Oklahoma, resulted in six inches of rain in about one hour, one mile east of Angora in Roger Mills County, where many dirt roads were completely washed out.						
Jackson County								
6 W Eldorado	12	2052CST			0	0		Hail (0.88)
Woods County								
7 SSW Alva	12	2055CST			0	0		Thunderstorm Wind (G55) M
		Wind was measured by Oklahoma mesonet.						
Woods County								
Avard	12	2055CST			0	0		Thunderstorm Wind (G52)
Washita County								
Cordell	12	2115CST			0	0		Hail (0.75)
Major County								
3 S Cedar Spgs	12	2130CST			0	0	0.01K	Thunderstorm Wind
		Six-inch diameter tree limbs were downed.						
Custer County								
4 WNW Weatherford	12	2135CST			0	0		Thunderstorm Wind (G50) M
		Wind was measured by Oklahoma mesonet.						
Caddo County								
7 W Hinton	12	2140CST			0	0		Thunderstorm Wind (G51) M
		Wind was measured by Oklahoma mesonet.						
Caddo County								
7 W Hinton	12	2145CST			0	0		Thunderstorm Wind (G50) M
		Wind was measured by Oklahoma mesonet.						
Comanche County								
5 W Lawton	13	0000CST 0005CST			0	0		Hail (0.88)
Grady County								
Rush Spgs	13	0100CST			0	0		Hail (0.88)
Stephens County								
Marlow	13	0105CST			0	0		Thunderstorm Wind (G52)
Jackson County								
3 ESE Altus	13	1915CST			0	0		Hail (1.75)
Jackson County								
5 E Altus	13	1925CST			0	0		Hail (1.75)
Cotton County								
Randlett	14	1230CST			0	0		Hail (0.88)
Cotton County								
Taylor	14	1245CST			0	0		Hail (0.88)
Canadian County								
El Reno	14	1324CST			0	0		Hail (0.75)
Canadian County								
Piedmont	14	1345CST			0	0		Hail (1.75)
Jefferson County								
3 NW Sugden	14	1415CST			0	0		Hail (1.75)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>OKLAHOMA, Western, Central and Southeast</u>									
Jefferson County									
10 E Waurika	14	1440CST			0	0		Hail (0.75)	
Carter County									
3 WNW Wilson	14	1534CST			0	0		Hail (0.75)	
Murray County									
Dougherty	14	1609CST			0	0		Hail (0.88)	
Johnston County									
Pontotoc	14	1650CST			0	0		Hail (0.88)	
Marshall County									
9 WSW Oakland	14	1700CST			0	0		Thunderstorm Wind (G54)	M
Wind was measured by Oklahoma mesonet.									
Harper County									
13 N Selman	16	1751CST			0	0		Hail (1.00)	
Harper County									
9 ENE Buffalo	16	1815CST			0	0		Hail (0.88)	
Woods County									
1 WSW Plainview	16	1825CST			0	0		Hail (0.88)	
Alfalfa County									
1 W Burlington	16	1840CST			0	0		Hail (0.88)	
Woodward County									
23 NNW Mooreland	16	1845CST			0	0	0.50K	Hail (1.00)	
House windows were broken by hail.									
Alfalfa County									
1 WSW Cherokee	16	1905CST			0	0		Thunderstorm Wind (G53)	M
Wind was measured by Oklahoma mesonet.									
Woodward County									
17 N Mooreland	16	1915CST			0	0		Hail (0.75)	
Woodward County									
18 NNE Mooreland	16	1925CST			0	0		Hail (1.00)	
Woodward County									
3 N Quinlan to 2 N Quinlan	16	2005CST			0	0		Hail (0.75)	
Woodward County									
3 N Quinlan	16	2005CST			0	0		Thunderstorm Wind (G57)	
Kay County									
Blackwell	16	2020CST			0	0		Thunderstorm Wind (G53)	M
Major County									
19 NNW Chester	16	2030CST			0	0		Hail (0.75)	
Woods County									
21 S Alva	16	2040CST			0	0		Thunderstorm Wind (G61)	
Major County									
Fairview	16	2125CST			0	0		Hail (1.00)	
Garfield County									
Covington	16	2218CST			0	0		Hail (0.75)	
Garfield County									
2 S Drummond	16	2218CST			0	0		Hail (0.88)	
Woods County									
4 NW Capron	20	2015CST			0	0		Hail (0.88)	
Alfalfa County									
4 W Cherokee	20	2058CST 2108CST			0	0		Hail (0.88)	
Harper County									
6 SE Buffalo	20	2105CST			0	0		Hail (0.75)	
Alfalfa County									
6 SW Cherokee	20	2133CST			0	0		Hail (0.88)	
Oklahoma County									
1 S Newalla	27	0845CST			0	0		Hail (1.75)	

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>OKLAHOMA, Western, Central and Southeast</u>									
Johnston County									
Connerville	27	0846CST			0	0		Hail (0.88)	
Oklahoma County									
8 S Choctaw	27	0859CST			0	0		Hail (1.00)	
Oklahoma County									
8 S Choctaw	27	0901CST			0	0		Hail (1.00)	
Oklahoma County									
1 E Choctaw	27	0920CST			0	0		Hail (1.00)	
Johnston County									
Tishomingo	27	0944CST			0	0		Hail (0.75)	
Oklahoma County									
Choctaw	27	1010CST			0	0		Hail (1.00)	
Cleveland County									
3 N Stella	27	1012CST 1300CST			0	0		Flash Flood	
Numerous roads near the Cleveland/Oklahoma County line were closed due to high water.									
Oklahoma County									
9 SSE Choctaw	27	1012CST 1300CST			0	0		Flash Flood	
Numerous roads were closed between Peebly Road and Luther Road due to high water.									
Atoka County									
6 W Caney	27	1035CST			0	0		Hail (1.25)	
Johnston County									
Tishomingo	27	1055CST			0	0		Flash Flood	
Numerous roads were closed due to high water.									
Oklahoma County									
1 W Newalla	27	1130CST 1400CST			0	2		Flash Flood	
Water overflowed the banks of the North Deer Creek at SE 59th and Dobbs Road after nearly ten inches of rain fell. Two teenage boys were rescued from a tree submerged in nearly eight feet of fast-flowing water.									
Custer County									
9 W Thomas	27	1756CST			0	0		Hail (0.75)	
Tillman County									
9 E Davidson	28	1546CST			0	0		Hail (1.75)	
Tillman County									
6 ESE Davidson	28	1555CST			0	0	0.50K	Hail (1.75)	
House windows were broken by hail.									
Lincoln County									
Prague	30	0000CST			0	0		Hail (1.00)	
Lincoln County									
Prague	30	0005CST			0	0		Hail (1.75)	
Lincoln County									
Stroud	30	0056CST			0	0		Hail (1.00)	
Payne County									
Stillwater	30	0100CST			0	0		Hail (0.75)	
Payne County									
Perkins	30	0110CST			0	0		Hail (1.75)	
Payne County									
Stillwater	30	0130CST			0	0	15K	Urban/Sml Stream Fld	
Cars stalled in high water.									
Atoka County									
3 W Daisy	30	0150CST			0	0	25K	Thunderstorm Wind	
A tree fell on a mobile home.									
Pottawatomie County									
Shawnee	30	0200CST			0	0		Hail (1.00)	
Pottawatomie County									
Shawnee	30	0220CST			0	0		Thunderstorm Wind (G52)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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OKLAHOMA, Western, Central and Southeast

Cleveland County

5 E Norman 30 0225CST 0 0 Hail (1.25)

McClain County

6 W Byars 30 0300CST 0 0 0 Thunderstorm Wind

A wishing well was blown over.

Pottawatomie County

Earlsboro 30 0319CST 0 0 0.50K Thunderstorm Wind

Trees were downed.

OREGON, Central and East

ORZ045 Foothills Of The Blue Mountains

01 1330PST 0 1 0 0 High Wind (G42) ^M

Sustained winds of 32 mph with gusts as high as 48 mph blew a trampoline from the top of a business in Pendleton. This object hit a woman on the head resulting in a severe injury.

ORZ047

John Day Basin

01 1400PST 0 0 0 0 High Wind (G55) ^M

The passage of a vigorous cold front brought wind gusts as high as 63 mph at the John Day Airport.

ORZ049

Grand Ronde Valley

01 1430PST 0 0 20K 0 High Wind (G43)
1600PST

Strong winds, with gusts estimated as high as 50 mph, blew trees onto power lines in several locations in the Grande Ronde Valley. Power was lost for as much as 18 hours to the communities of La Grande, Palmer Junction, and Elgin. In addition, blowing dust reduced visibilities to near zero near the intersection of Hunter Road and State Highway 237. These roads were briefly closed.

Grant County

1 W Long Creek 08 1645PST 0 0 0 5K Hail (0.75)
1650PST

Dime-sized hail covered the ground on the west side of Long Creek, which is located in the Blue Mountains at an elevation of 3800 feet. One local farmer reported slight damage to his alfalfa crop.

Grant County

4 W Dayville 08 1700PST 0 0 0 0 Flash Flood
1800PST

The Oregon Dept of Transportation reported flash flooding on State Highway 26. Between mile markers 126 and 127, water overflowed a creek next to the road and left debris on the pavement.

Grant County

7 N Granite 08 1750PST 0 0 2K 0 Hail (1.75)

Golfball-sized hail destroyed the awning of a camper at the North Fork of the John Day public campground.

Umatilla County

16 ESE Ukiah 08 1750PST 0 0 0 0 Hail (0.88)

Hail up to the size of nickels covered the ground at the Winom Creek Campground, which is located in the Blue Mountains at an elevation of 5500 feet.

Union County

7 W North Powder 08 1830PST 0 0 0 0 Hail (1.00)

Union County

North Powder 08 1847PST 0 0 2K 40K Hail (1.00)

Several fields of alfalfa near North Powder were damaged by hail. An insurance agent estimated damages to local structures at around 2 thousand dollars, mostly to paint on metal sidings.

Wallowa County

3 E Joseph 08 1955PST 0 0 0 0 Hail (1.00)

One inch hail, along with gusty winds, was reported at an elevation of 4200 feet.

Umatilla County

1 W Umapine 27 1655PST 0 0 0 0 Hail (0.75)

Dime-sized hail was accompanied by an estimated wind gust of 50 mph.

OREGON, Northwest

Marion County

Salem 05 1605PST 0 0 0 Funnel Cloud
1620PST

Reported by weather observer 7 miles Southeast of Salem. Neither damage nor injuries were reported.

OREGON, Southeast

NONE REPORTED.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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OREGON, Southwest

ORZ029>031

Klamath Basin - Northern & Eastern Klamath County & Western Lake County - Central & Eastern Lake County

02 1417PST
03 0800PST

0 0

Extreme Cold

See below.

A Frost Warning was issued for this night. Reported low temperatures ranged from 25 to 34. Two stations met freeze warning criteria. No frost was reported, but it likely formed this night. A Freeze Warning may have been more appropriate, but it was a borderline situation.

ORZ024>026

Eastern Curry County & Josephine County - Eastern Douglas County Foothills - Jackson County

03 1419PST
04 0800PST

0 0

Extreme Cold

See below.

A Frost Warning was issued for this night. Reported low temperatures ranged from 30 to 39. No frost was reported, but it likely did form this night.

ORZ029>031

Klamath Basin - Northern & Eastern Klamath County & Western Lake County - Central & Eastern Lake County

03 1440PST
04 0800PST

0 0

Extreme Cold

See below.

A Freeze Warning was issued this night. Reported low temperatures ranged from 17 to 31 with all but one reporting station verifying the warning.

ORZ029>031

Klamath Basin - Northern & Eastern Klamath County & Western Lake County - Central & Eastern Lake County

09 2149PST
10 0800PST

0 0

Extreme Cold

See below.

A Frost Warning was issued this night for the zones listed above. Observed low temperatures ranged from 31 to 42. No frost was reported, but it likely did form in the colder areas this night.

ORZ029>031

Klamath Basin - Northern & Eastern Klamath County & Western Lake County - Central & Eastern Lake County

12 1344PST
13 0800PST

0 0

Extreme Cold

See below.

A Frost Warning was issued this night for the above zones. The night wound up being colder than expected, observed low temperatures ranged from 23 to 36 degrees. Several key stations reported lows below 30 degrees; a freeze warning may have been more appropriate for this night.

Klamath County

Countywide

23 0730PST
2000PST

0 0

Wild/Forest Fire

See below.

Lake County

Countywide

23 0730PST
2000PST

0 0

Wild/Forest Fire

See below.

A Red Flag Warning was issued for Fire Weather zones 624 and 625, which encompasses most of Klamath and Lake counties. Strong winds and low humidities were expected over the area, but the reported winds did not meet Red Flag Warning criteria. The warning was cancelled when the humidity levels rose around sunset.

PACIFIC

Guam

Andersen Afb

19 0815SST
0840SST

0 0

Lightning

A Japanese military plane was struck by lightning during training exercises. At about 0820 the E-767 Boeing airborne controlling aircraft was hit by lightning. The plane was in the sky for less than an hour before being struck. About 20 U.S. and Japanese service members were on board when the incident occurred. The plane and its crew were taking part in Cope North Guam, a training exercise involving the U.S. Air Force and Japanese Air Self Defense Force troops.

Guam

Countywide

21 1545SST
1900SST

0 0

Lightning

Lightning caused numerous power outages during the night in Dededo, Macheche and Barrigada Heights. Service to most villages was restored within 30 minutes to an hour. Thunder was heard at the National Weather Service Office from between 1546 and 1819

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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PACIFIC

Guam

Central Portion	22	1651SST 1703SST			0	0		Funnel Cloud
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A funnel cloud was visible from the NWSFO from 1651 to 1703. It was estimated to be located 14 miles to the northwest of the station.

PENNSYLVANIA, Central

Fulton County

Mc Connellsburg	12	1420EST			0	0		Thunderstorm Wind (G50)
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Several trees were reported down along Route 522 near McConnellsburg.

Clinton County

Hyner	12	1510EST			0	0		Thunderstorm Wind (G50)
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Trees were reported down in the town of Hyner.

Centre County

Philipsburg	12	1526EST			0	0		Thunderstorm Wind (G50)
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Trees were down in Philipsburg.

Perry County

4 S New Bloomfield	12	1535EST			0	0		Thunderstorm Wind (G50)
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Trees were reported down in Carroll Township, 2 miles north of Crums Corners and 4 miles south of New Bloomfield.

Centre County

Philipsburg	12	1540EST			0	0		Thunderstorm Wind (G50)
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Trees were down in Philipsburg and State College at 15:45.

Huntingdon County

Huntingdon	12	1630EST			0	0		Thunderstorm Wind (G50)
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Trees were down in Huntingdon and Warriors Mark.

Clinton County

Lock Haven	12	1630EST			0	0		Thunderstorm Wind (G50)
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Trees were down in Lock Haven.

Clinton County

Lock Haven	12	1630EST			0	0		Thunderstorm Wind (G50)
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Trees were down in Lock Haven and Mill Hall.

Mifflin County

Kistler	12	1640EST			0	0		Thunderstorm Wind (G50)
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Trees reported down in Kistler.

Mifflin County

Kistler	12	1640EST			0	0		Thunderstorm Wind (G50)
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Trees were down in Kistler.

Union County

Lewisburg	12	1645EST			0	0	2K	Thunderstorm Wind
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Trees were down in Lewisburg and West Milton. One tree damaged a parked car.

Northumberland County

Sunbury	12	1700EST			0	0		Thunderstorm Wind (G50)
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Trees were down in Sunbury.

Snyder County

Selinsgrove	12	1700EST			0	0		Thunderstorm Wind (G50)
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Trees were down in Selinsgrove.

Perry County

Loysville	12	1715EST			0	0		Thunderstorm Wind (G50)
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Trees and power lines were reported down in Loysville.

Adams County

Biglerville	12	1715EST			0	0		Thunderstorm Wind (G50)
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Trees were down in Biglerville.

Schuylkill County

Tamaqua	12	1740EST			0	0		Thunderstorm Wind (G50)
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Trees were down in Tamaqua.

Adams County

Gettysburg	12	1750EST			0	0		Thunderstorm Wind (G50)
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Trees were reported down in Gettysburg.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
PENNSYLVANIA, Central							
Cumberland County							
Mt Holly Spgs	12	1756EST			0	0	Thunderstorm Wind (G50)
Trees and power lines were down in Mt. Holly Springs.							
York County							
York	12	1829EST			0	0 15K	Thunderstorm Wind
Trees down in York. Several homes under construction were damaged.							
York County							
5 E Hanover	12	1910EST			0	0	Thunderstorm Wind (G50)
Trees and power lines were down 5 miles east of Hanover.							
Somerset County							
Addison	13	1630EST 1945EST			0	0	Flash Flood
Heavy rains produced a mud slide near the town of Addison Springs. No property damage was reported.							
Tioga County							
Mansfield	20	1230EST			0	0	Thunderstorm Wind (G50)
Trees were reported down in Mansfield along Route 15.							
Clinton County							
Salona	20	1235EST			0	0	Hail (0.88)
Nickle sized hail was reported in Salona at 12:35. Also, trees were reported down at 12:40.							
Lycoming County							
Jersey Shr	20	1245EST			0	0 2K	Thunderstorm Wind
A home in Jersey Shore sustained siding and chimney damage.							
Lycoming County							
Muncy	20	1350EST			0	0 1K	Tstm Wind/Hail
Shingles were blown off a house in Muncy. Also, trees and wires were reported down in Muncy and dime-sized hail was reported in Hughesville.							
Juniata County							
Mc Alisterville	20	1350EST			0	0	Thunderstorm Wind (G50)
Trees were down on wires in McAlisterville. At 14:00, power lines were reported down in East Waterford.							
Northumberland County							
Turbotville	20	1351EST			0	0	Thunderstorm Wind (G50)
Trees and wires were down in Turbotville.							
Montour County							
Washingtonville	20	1400EST			0	0 1K	Thunderstorm Wind
There was wind damage to a barn - sheet metal roof in Washingtonville.							
Columbia County							
Millville	20	1415EST			0	0	Hail (1.00)
1.00 inch hail was reported in Millville.							
Union County							
Allenwood	20	1420EST			0	0	Thunderstorm Wind (G50)
Trees were down in Allenwood.							
Fulton County							
Knobsville	20	1426EST			0	0	Thunderstorm Wind (G50)
Large tree limbs were down in Knobsville.							
Perry County							
New Bloomfield	20	1500EST			0	0	Thunderstorm Wind (G50)
Trees were down in New Bloomfield. Also, trees were reported down in Newport at 15:15.							
Dauphin County							
Harrisburg	20	1505EST			0	0	Thunderstorm Wind (G50)
Numerous trees were down in Harrisburg.							
Franklin County							
Chambersburg	20	1515EST			0	0	Thunderstorm Wind (G50)
Trees were reported down in Chambersburg.							
Franklin County							
Mercersburg	20	1535EST			0	0	Thunderstorm Wind (G50)
Trees and power lines were down in Mercersburg.							
Schuylkill County							
Pottsville	20	1540EST			0	0	Thunderstorm Wind (G50)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
PENNSYLVANIA, Central								
Trees were reported down in Pottsville.								
Cumberland County								
Shiremanstown	20	1547EST			0	0		Thunderstorm Wind (G81) M
Gusts to 81 mph were reported in Shiremanstown, along with downed trees.								
Lebanon County								
Lebanon	20	1550EST			0	0	1K	Thunderstorm Wind
Trees were down in Lebanon, including one tree on a house.								
Dauphin County								
Steelton	20	1559EST			0	0		Thunderstorm Wind (G50)
Trees were down on Front Street in Steelton.								
Tioga County								
4 SW Mansfield	20	1600EST			0	0	1K	Thunderstorm Wind
Trees were down on a house in Mansfield.								
Tioga County								
4 SW Mansfield	20	1600EST			0	0	1K	Thunderstorm Wind
Trees were down on a house in Mansfield.								
Lycoming County								
Moreland	20	1719EST			0	0		Thunderstorm Wind (G50)
Trees were down in Moreland. Also, trees were reported down in Mill Hall at 17:29.								
Adams County								
Gettysburg	20	1730EST			0	0		Thunderstorm Wind (G50)
Trees and power lines were reported down in Gettysburg and Spring Grove.								
Lycoming County								
Williamsport	20	1805EST			0	0		Thunderstorm Wind (G50)
Trees were down at Penn College in Williamsport.								
Montour County								
Washingtonville	20	1845EST			0	0	500K	Thunderstorm Wind
An 80-foot by 120-foot crop production facility was destroyed in Washingtonville by straight line winds estimated to be 80 mph. Debris from the building was found one-half mile away. Numerous trees were also reported down in the area.								
Elk County								
Brockport	20	1914EST 1924EST			0	0	10K	Tornado (F1)
An F1 tornado touched down in the town of Brockport. Many large trees were uprooted or snapped off. The tornado touched down at Shawmut Road, traveling southeast until it lifted near Route 153, near Cross Road. No injuries or deaths.								
Juniata County								
Walnut	20 21	2200EST 0100EST			0	0	10K	Flash Flood
Numerous roads were reported flooded in the town of Walnut, where 4 to 5 inches of rain was observed. 8 to 10 homes had flooded basements. 1 to 2 feet of water was reported on State Route 3019, and Route 35 was closed due to flooding.								
Blair County								
Altoona	21	1510EST			0	0		Thunderstorm Wind (G50)
Trees and large limbs were reported down in Altoona.								
Blair County								
Altoona	21	1510EST 1800EST			0	0		Flash Flood
Flooding was reported on many city roads in Altoona, including Route 36 and 15th Street. Manhole covers were reported blown off.								
Clearfield County								
Clearfield	21	1730EST			0	0		Thunderstorm Wind (G50)
Trees were reported down in Clearfield.								
Warren County								
Warren	21	2100EST 2345EST			0	0		Flash Flood
Flooded roads were reported throughout Warren County. Most notably were reports of road flooding in the city of Warren.								
Mckean County								
Eldred	21	2240EST			0	0		Thunderstorm Wind (G50)
Trees were down in the town of Eldred and in Keating Township.								
Franklin County								
Chambersburg	21 22	2330EST 0115EST			0	0		Flash Flood
Heavy rains flooded many roads throughout Franklin County, including Chambersburg.								

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

PENNSYLVANIA, Central

York County

Felton	22	1405EST			0	0	200K	Flash Flood
	23	0800EST						

Heavy rain produced extensive flooding across York County the afternoon and early evening of June 22nd. Spotter reports indicated that 3 to 5 inch rainfall amounts were common across the county, with a local maximum of 8 inches measured in Loganville. Extensive road flooding was reported, with over 40 roads closed. Four bridges, including Laurel Road Bridge in Chanceford Township, Red Lion Avenue Bridge in Felton, Trinity Road Bridge at Chanceford Township and Dull, and Husson Roads Bridge in Windsor Township were closed. Many roads were damaged, including a 100 foot section of Water Tank Road in Manheim. Two building collapses were also blamed on the weight of the rain. One water rescue was performed when an all terrain vehicle was driven into a swollen Codorus Creek. The individual was rescued without injury. About 25 to 30 people were evacuated from the rural Brogueville and Laurel areas.

Lancaster County

Lancaster	22	1515EST			0	0		Thunderstorm Wind (G50)
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Trees were reported down in Lancaster.

Lancaster County

White Horse	22	1635EST			0	0		Thunderstorm Wind (G50)
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Trees were reported down in White Horse.

Lancaster County

White Horse	22	1635EST 1700EST			0	0	5K	Tornado (F0)
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An F0 tornado touched down in the town of White Haven at 17:35. The tornado's damage was confined to trees and a cornfield.

Lancaster County

Gap	22	1730EST			0	0	20K	Flash Flood
	23	0800EST						

Heavy rain fell across Lancaster County the late afternoon and evening of June 22. Four inches of rain was recorded in the town of Gap, while 5.5 inches was measured in White Horse. A 10 mile stretch of SR 30 was closed due to flooding, along with 35 other county roads. A 1000 gallon propane tank broke loose from its moorings in the town of Gap and floated down Pequea Creek.

Franklin County

St Thomas	22	1945EST			0	0		Flash Flood
	23	0130EST						

Flooding was reported in St. Thomas, Gillen Drive, Sandy Mountain Road, and SR 30 was closed due to flooding.

Bedford County

Bedford	27	1827EST			0	0		Hail (1.00)
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1.00 inch hail was reported in Bedford. Also, trees were reported down 3 miles west of Everett.

York County

Red Lion	30	1200EST			0	0		Thunderstorm Wind (G50)
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Trees and wires were reported down in Red Lion, Windsor Township.

Columbia County

5 S Catawissa	30	1930EST			0	0		Thunderstorm Wind (G50)
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Trees were reported down 5 miles south of Catawissa.

PENNSYLVANIA, East

Bucks County

Countywide	01	1200EST			0	0		Heavy Rain
	02	0200EST						

Montgomery County

(Nxx)Nas Willow Grov	01	1200EST			0	0		Heavy Rain
	02	0200EST						

Philadelphia County

(Pne)Ne Arpt Philade	01	1200EST			0	0		Heavy Rain
	02	0200EST						

Heavy rain fell across much of Bucks County as well as northeast portions of Philadelphia and extreme eastern Montgomery County from the afternoon of the 1st into the early morning of the 2nd. Storm totals averaged between 1.5 and 2.0 inches with lesser amounts (around an inch) across the rest of southeast Pennsylvania. Some poor drainage flooding occurred, but no serious stream flooding or damage was reported. Storm totals included 2.04 inches in Doylestown (Bucks County), 1.86 inches in Neshaminy Falls (Bucks County), 1.85 inches at the Northeast Philadelphia Airport, 1.58 inches in New Hope (Bucks County) and 1.53 inches at the Willow Grove NAS (Montgomery County). A warm front over the Ohio Valley on the morning of the 1st moved into New Jersey the morning of the 2nd. A low pressure system developed on the frontal boundary's triple point (the conjunction of the occluded, warm and cold fronts) over Eastern Pennsylvania by the morning of the 2nd and heavier rain fell to the north of this low center across extreme southeast Pennsylvania and central and northern New Jersey.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
PENNSYLVANIA, East								
Monroe County								
Saylorsburg	09	1030EST			0	1	0	Dust Devil
A dust devil at the Saylorsburg Flea Market picked up a table and it fell on and injured (hospitalized) one woman.								
Montgomery County								
Cheltenham	11	1920EST			0	0		Hail (1.75)
In addition to the golf ball size hail in Cheltenham, penny size hail also fell in Willow Grove.								
Monroe County								
Pocono Summit	11	2005EST			0	0	0	Lightning
Monroe County								
Tannersville	11	2015EST			0	0		Thunderstorm Wind (G50)
A severe thunderstorm knocked down several trees in Tannersville. Lightning from the same thunderstorm struck a house in Pocono Summit Estates.								
Chester County								
Kennett Square to Malvern	11	2125EST 2130EST			0	0		Thunderstorm Wind (G50)
Delaware County								
Countywide	11	2130EST 2145EST			0	0		Thunderstorm Wind (G50)
A severe thunderstorm knocked down numerous large tree limbs and wires across eastern Chester County and a few trees in Delaware County. PECO Energy reported about 11,000 homes and businesses lost power in the two counties, with 9,000 of the affected customers in Chester County.								
Berks County								
Mt Aetna to West Lawn	12	1820EST 1840EST			0	0		Thunderstorm Wind (G50)
Berks County								
Bernville	12	1830EST			0	0	50K	0 Lightning
A few large trees and brief power interruptions were caused by a severe thunderstorm that moved through the western half of Berks County. In addition to the high winds, lightning struck the roof of a church in Bernville. The ensuing fire was contained to the loft area of the roof, but still caused about 50,000 dollars in damage.								
Montgomery County								
South Portion	16 17	1430EST 0900EST			1	0	33.5M	Flood
M63VE								
Bucks County								
South Portion	16 17	1815EST 1530EST			0	0	1.5M	Flood
Philadelphia County								
Countywide	16 18	1815EST 0800EST			0	0	0	Flood

The remnants of tropical storm Allison drenched the southern halves of Montgomery and Bucks Counties and Philadelphia with up to 10 inches of rain. Torrential downpours occurred from early afternoon through the late evening on the 16th. Severe flooding occurred along the Sandy Run, Wissahickon, Pennypack and Neshaminy Basins. The flooding caused and then hampered fire fighters battling an apartment fire in Upper Moreland Township. Six persons perished in the fire. A 63-year-old man died when his 1997 Toyota was swept into the Wissahickon Creek in Whitmarsh Township (Montgomery County). Several bridges were damaged or washed out including a couple on the SEPTA Regional Rail Lines. About 241 homes were destroyed and 1,386 others were damaged. The torrential rains liquified the ground and caused weak trees to fall over. About 70,000 PECO Energy customers lost power. Both Bucks and Montgomery Counties were declared disaster areas. Preliminary damage estimates were 35 million dollars. Damage to roads and bridges alone was around 5 million dollars.

Montgomery County was hit the hardest with Abington Township, Cheltenham Township, Hatboro Borough, Horsham Township, Lower Moreland Township, Upper Dublin Township and Upper Moreland Township affected the most. In Upper Moreland Township, six people died in an apartment building fire that apparently was triggered by rising flood waters from the nearby Pennypack Creek. Flood waters rose 10 to 20 feet at the Village Green Apartment Complex and inundated the area. Firefighters were rescuing people, some from the second floor, when the complex was struck by a natural gas explosion. The fire apparently started after rising flood waters knocked over hot water heaters in building A of the complex and caused the gas leak. Rising flood waters prevented firefighters from battling the flames. Two buildings in the complex were destroyed by the fire. Two others had smoke and water damage while the remaining 16 buildings were evacuated. About 200 persons were sheltered. Elsewhere in the township, rescuers became trapped in the Pennypack Creek trying to save others. Flood damage caused the condemnation of the Bonnet Lane Shopping Center. In Hatboro, four people were trapped by rising flood waters at the Old Mill Inn and about 150 vehicles at a Dodge Dealership were damaged beyond repair. In Whitmarsh Township, a 63 year-old man drowned when his Toyota was found in the Wissahickon Creek. Elsewhere in the township, flooding along the Sandy Run Creek destroyed the SEPTA Fort Washington (R5

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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PENNSYLVANIA, East

Doylestown Line) Bridge. Flood waters also toppled poles that supported the power lines. Repairs were expected to take three weeks. Shuttle buses were used to transport the 12,000 affected commuters. In Abington Township, SEPTA tracks were washed out and cut off the use of the R2 (Warminster) and R3 (Trenton) lines. In Whitpain Township, a storm drain near the swollen Wissahickon Creek was overwhelmed. The flood waters caused the collapse of a warehouse and a 3 to 4 foot surge of water down Maple Street. About 25 families were rescued, some from their second floor or roof. About a dozen homes were damaged by flood waters that reached into the first floor. The Pennsylvania Turnpike was closed between the Willow Grove and Norristown Exits. Except for the Fort Washington Interchange, the turnpike was reopened on the 17th.

In Bucks County, Bensalem Township, New Britain Township, Middletown Township, Warminster Township and Warrington Township were hardest hit. Scores of motorists were trapped in vehicles; house trailers were seen floating. A State of Emergency was declared in Warrington Township as flooding caused a chlorine leak. Elsewhere in the township, people were trapped within a collapsed home. In Philadelphia, flooding along the Wissahickon Creek caused a couple of road closures. Several roads were also closed in the northern part of the city.

In Bucks County, the Neshaminy Creek at Langhorne was above its 9 foot flood stage from 1059 p.m. EDT on the 16th through 421 p.m. EDT on the 17th. It crested at 16.87 feet at 830 a.m. EDT on the 17th. The Little Neshaminy Creek at Neshaminy reached its 8 foot flood stage from 716 p.m. EDT on the 16th through 409 a.m. EDT on the 17th. It crested at 14.05 feet at 1030 p.m. EDT on the 16th. In Montgomery County, the East Branch of the Perkiomen Creek at Schwenksville briefly touched its 7 foot flood stage at 5 p.m. EDT on the 16th. In Philadelphia, the Wissahickon Creek at Philadelphia was above its 5 foot flood stage from 8 p.m. EDT on the 16th through 140 p.m. EDT on the 17th. It crested at 9.73 feet at 430 a.m. EDT on the 17th. The Pennypack Creek at Pennypack was above its 7 foot flood stage from 715 p.m. EDT on the 16th through 836 a.m. EDT on the 18th. It crested at 13.12 feet at 1045 p.m. EDT on the 16th. The Frankford Creek at Frankford was above its 7 foot flood stage from 836 p.m. EDT on the 16th through 141 a.m. EDT on the 17th. It crested at 8.82 feet at 1101 p.m. EDT on the 16th.

Storm totals included 10.17 inches in Chalfont (Bucks County), 10.16 inches at the Willow Grove NAS in Montgomery County, 9.35 inches in Doylestown (Bucks County) and Wyncote (Montgomery County), 9.00 inches in Abington (Montgomery County), 8.00 inches in Horsham (Montgomery County), 7.40 inches in Warrington (Bucks County), 5.73 inches in Ambler (Montgomery County), 4.81 inches in Furlong (Bucks County), 4.54 inches in Southampton (Bucks County), 3.83 inches in Wynnewood (Montgomery County), 3.43 inches in Somerton (Philadelphia) 3.38 inches at the Philadelphia International Airport and 2.62 inches at the Franklin Institute within Philadelphia.

The low pressure system that was the remnants of Tropical Storm Allison, was very persistent and slow moving. It moved from northeast North Carolina the afternoon of the 15th to near Norfolk the morning of the 16th to the Virginia Capes during the afternoon of the 16th and just east of Atlantic City during the morning of the 17th. Similar to Hurricane Floyd, a cold front was approaching the region from central Pennsylvania on the 16th. An extremely moist and unstable southeast flow preceded both these features. The slight rise in elevation from the coastal plain to the Piedmont in Southeast Pennsylvania (called the fall line) was enough to enhance the precipitation and drop copious amounts across this area.

Delaware County

East Portion

16	1630EST	0	0	Flood
17	0100EST			

Showers and thunderstorms with torrential downpours caused flash flooding of streams and poor drainage flooding in Delaware County, particularly in the eastern half of the county. Most of the flooding occurred east of a line from Radnor Township south through Media Borough and Ridley Township. In Secane (Upper Darby Township), 4.30 inches of rain fell in 90 minutes between 530 p.m. and 700 p.m. EDT. Many vehicles were trapped in flooded roadways and numerous water rescues occurred. The torrential rains and overflowing streams loosened many trees and caused weaker ones to fall. One downed tree damaged a wall and a fence in Swarthmore Borough. Swarthmore College suffered flood damage when the Little Crum Creek flooded. Water went through the doors of several buildings and flooded the basements. Doppler Radar Storm total estimates ranged between 3 and 5 inches across the eastern part of the county. At nearby Philadelphia International Airport, the storm total was 3.38 inches.

The low pressure system that was the remnants of Tropical Storm Allison, was very persistent and slow moving. It moved from northeast North Carolina the afternoon of the 15th to near Norfolk the morning of the 16th to the Virginia Capes during the afternoon of the 16th and just east of Atlantic City during the morning of the 17th. Similar to Hurricane Floyd, a cold front was approaching the region from central Pennsylvania on the 16th. An extremely moist and unstable southeast flow preceded both these features. The slight rise in elevation from the coastal plain to the Piedmont in Southeast Pennsylvania (called the fall line) was enough to enhance the precipitation and drop copious amounts across this area.

Monroe County

Pocono Pines

20	1545EST	0	0	0	Hail (0.75)
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Lehigh County

Fogelsville to Allentown

20	1615EST	0	0	Thunderstorm Wind (G50)
	1630EST			

A couple of trees were knocked down by a severe thunderstorm in central Lehigh County.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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PENNSYLVANIA, East

Berks County

2 NW Klinesville 21 1715EST 0 0 Thunderstorm Wind (G61)

A microburst from a severe thunderstorm caused considerable damage in a one mile area of Greenwich Township near State Route 143. The roof was torn off one building and a second one suffered some damage. A pole barn was ripped from its foundation and a roof was torn off from a machine shed. Over 100 trees were knocked down in a picnic grove and corn fields were flattened.

Berks County

Klinesville 21 1715EST 0 0 Flash Flood
2000EST

The same severe thunderstorm that initially caused wind damage along the State Route 143 corridor in Greenwich Township remained nearly stationary and dropped a Doppler Radar storm total estimate of between 6 and 7 inches on the township. The torrential downpours and subsequent flooding washed out several bridges. A man was rescued after he climbed to the roof of his mobile home with his dog to escape the flood waters.

Berks County

Alleghenyville 21 1715EST 0 0 Thunderstorm Wind (G50)

A severe thunderstorm knocked down trees and wires in Brecknock Township.

Berks County

8 E Leesport 22 1215EST 0 0 Hail (0.88)

Carbon County

Palmerton 22 1230EST 0 0 Lightning

A lightning strike caused about 3,500 homes and businesses to lose power in Palmerton. Two small house fires were caused by a surge when power was restored.

Lehigh County

Germansville 22 1245EST 0 0 Thunderstorm Wind (G50)

A severe thunderstorm knocked down a few trees in the Germansville area.

Berks County

Kutztown 22 1250EST 0 0 Thunderstorm Wind (G50)

A severe thunderstorm knocked down several trees in the Kutztown area. About 700 homes and businesses lost power.

Berks County

Countywide 22 1300EST 0 0 15M Flood
23 0300EST

Thunderstorms with torrential downpours caused flash flooding and flooding of creeks in Berks County. The worst damage occurred in Reading where a dam broke and a couple of streets had their asphalt peeled away. Preliminary damage estimate in the county was around 15 million dollars. The county was declared a federal disaster area. Doppler Radar storm total estimates were as high as 6 to 8 inches across the northern and southwestern parts of the county. In Reading, a 20 foot earthen section of the Angelica Lake Dam collapsed. The rushing water washed away Morgantown Road (Pennsylvania State Route 10). The Wyomissing Creek flooded Museum Road. The torrents of rain peeled away the asphalt on Perkiomen Avenue and Muhlenberg Street and exposed gas lines and water mains on the latter. Seven people were evacuated from their homes when water rose into the first floor. South of Reading, several water rescues occurred in both Shillington Borough and Cumru Township. For the second day in a row, torrential rain washed out a bridge in Greenwich Township. Two motorists were rescued from their trapped vehicles on Pennsylvania State Route 737. The Manatawny Creek at Spangville was above its estimated 6 foot flood stage from 821 p.m. EDT on the 22nd through 347 a.m. EDT on the 23rd. The creek crested at 7.65 feet 1015 p.m. EDT on the 22nd. Farther downstream the creek crested at its estimated flood stage of 6.8 feet in Pottstown (Montgomery County). Actual storm totals included 6.09 inches in Reading, 4.90 inches in Oley, 3.31 inches in Lincoln Park, 2.85 inches at the Reading Regional Airport, 2.39 inches in Hamburg and 2.27 inches in Morgantown.

Lehigh County

Countywide 22 1310EST 0 0 Thunderstorm Wind (G50)
1330EST

A line of severe thunderstorms knocked down several trees and numerous limbs in Lehigh County. About 6,000 homes and businesses lost power in the Lehigh Valley.

Northampton County

Bangor 22 1325EST 0 0 Thunderstorm Wind (G50)

A severe thunderstorm knocked down a couple of trees in Bangor Borough. Downed limbs forced one roadway closure.

Lehigh County

Countywide 22 1330EST 0 0 Flood
23 0635EST

Northampton County

Northwest Portion 22 1500EST 0 0 Flash Flood
1800EST

A slow moving line of thunderstorms, not only produced severe weather, but flooding also across the Lehigh Valley. Hardest hit was Lehigh County where Doppler Radar storm total estimates exceeded three inches across most of the county and reached as high as between 6 and 7 inches across the far southwest part of the county. Flooded roadways included Pennsylvania State Routes 309 and

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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PENNSYLVANIA, East

145. Water rescues occurred in both Salisbury and South Whitehall Townships. In Salisbury Township, a clogged drain leading to the Little Lehigh Creek caused numerous motorists to become trapped near the South Mall. In Allentown, the Cedar Creek flooded parkland and a basketball court. The Little Lehigh Creek within Allentown reached its 5 foot flood stage from 515 a.m. EDT through 735 a.m. EDT on the 23rd. It crested at 5.65 feet at 715 a.m. EDT on the 23rd. In Northampton County, the worst flooding (including some roadways) occurred in Bushkill, Moore and East Allen Townships. Basements were flooded in Wind Gap. Actual storm totals included 5.25 inches in Macungie (Lehigh County), 2.73 inches in Walnutport (Northampton County) and 2.25 inches at the Lehigh Valley International Airport.

Northampton County

**Bath to
Hellertown**

22 1350EST 0 0 Thunderstorm Wind (G50)

A severe thunderstorm knocked down about a dozen trees and numerous limbs in Northampton County, mainly across the southern half of the county. The high winds also knocked over a half dozen stands at the Puerto Rican Festival in Lower Saucon Township. About 6,000 homes and businesses lost power in the Lehigh Valley, a quarter of the outages occurred within Bethlehem.

Chester County

Northwest Portion

22 1800EST 0 0 Flood
23 0113EST

Heavy rain in the headwater region (Doppler Radar storm total estimates of between 3 and 5 inches) caused small stream flooding in the northwest part of the county and the eventual minor flooding along the West Branch of the Brandywine Creek. At Honeybrook, the creek was above its flood stage of 7 feet from 1142 p.m. EDT on the 22nd through 213 a.m. EDT on the 23rd. It crested at 7.59 feet at 1230 a.m. EDT on the 23rd.

PAZ067>071

Chester - Montgomery - Bucks - Delaware - Philadelphia

26 1100EST 2 0 Excessive Heat
30 2359EST

A large ridge of high pressure both at the surface and aloft along the western Atlantic Ocean produced six consecutive days of heat and increasing humidity across southeastern Pennsylvania from June 26th through July 1st. A cold front broke the excessive heat with strong to severe thunderstorms on July 1st. High temperatures reached into the mid 90s and combined with the humid air mass produced afternoon heat indices of around 100 degrees. There were three heat related deaths (two in June and one in July). A 70-year-old woman, a 58-year-old man and a 77 year-old woman all perished because of the heat in Philadelphia. June 28th and 30th were the hottest days for most locations. Highest temperatures included 97 degrees at the Franklin Institute within Philadelphia, 96 degrees in Perkasio (Bucks County), 94 degrees at the Philadelphia International Airport and West Chester (Chester County), 93 degrees at the Northeast Philadelphia Airport and 91 degrees in Doylestown (Bucks County) and Pottstown (Montgomery County), F70PH, M58PH

Bucks County

Chalfont

30 1840EST 0 0 0 0 Funnel Cloud

Bucks County

Central Portion

30 1845EST 0 0 Thunderstorm Wind (G50)
1855EST

A severe thunderstorm produced a funnel cloud near Chalfont. While it did not touch the ground, the thunderstorm itself produced damaging winds across the central part of the county. Numerous large limbs were knocked down from Doylestown to Solebury Township.

Bucks County

1 NE Perkasio

30 1912EST 0 7 100K 0 Lightning

Lightning struck the second floor roof of a East Rockhill Township home on Ridge Road. The ensuing fire engulfed the second floor of the house. Seven firefighters at the scene were injured when lightning struck a nearby tree and traveled along the ground to them. They experienced numbness, nausea, rapid heartbeats and tingling in the extremities. Except for the recreational room, the house was extensively damaged. The damage estimate was expected to exceed \$100,000.

Bucks County

Perkasio

30 1950EST 0 0 Lightning

Bucks County

Perkasio

30 1950EST 0 0 Tstm Wind/Hail

A strong thunderstorm produced heavy rain, lightning and wind gusts estimated to around 40 mph in Perkasio. One house fire was started by a lightning strike. The winds knocked down tree branches and the heavy rain produced poor drainage flooding. Doppler Storm total estimates reached around three inches from the pair of thunderstorms that moved through northwest Bucks County and adjacent parts of Montgomery county during the evening.

Bucks County

Erwinna

30 2030EST 0 0 Thunderstorm Wind (G52)

A severe thunderstorm snapped several large trees in Erwinna in Tinicum Township.

Monroe County

Kresgeville

30 2040EST 0 0 0 Lightning

Lightning struck the office of the Palmerton Telephone Company in Kresgeville. The strike severely damaged the digital switching equipment inside and also damaged the fiber optic terminal equipment used to connect the office with the outside world. About 1,925

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>PENNSYLVANIA, East</u>									
customers lost phone service. All service was restored by noon EDT on the 1st of July.									
Bucks County									
Quakertown to Buckmanville	30	2155EST 2215EST			0	0		Thunderstorm Wind (G52)	
The fourth thunderstorm and the third severe thunderstorm of the evening affected northern and central Bucks County. Numerous trees and power lines were knocked down.									
<u>PENNSYLVANIA, Northeast</u>									
Susquehanna County									
Laurel Lake	11	1630EST			0	0		Hail (0.75)	
SKYWARN storm spotters reported 3/4 inch hail in Silver Lake Township.									
Lackawanna County									
Carbondale	11	1745EST			0	0		Lightning	
Newspaper reports indicate a business at 34 North Main Street and a residence at 41 North Main Street were struck by lightning. Only minor damage was reported from the strikes.									
Susquehanna County									
Harford	11	1745EST			0	0		Thunderstorm Wind (G55)	
Emergency management reported several trees blown down by thunderstorm winds. Some hail was also reported.									
Susquehanna County									
Clifford	11	1800EST			0	0		Thunderstorm Wind (G55)	
Emergency management reported numerous trees and wires down by thunderstorm winds. Hail was also reported and was "deep enough to shovel".									
Wayne County									
Honesdale	11	1810EST			0	0		Thunderstorm Wind (G50)	
Law enforcement reported several trees blown down by thunderstorm winds.									
Wayne County									
Honesdale	11	1900EST			0	0		Hail (0.75)	
SKYWARN storm spotters reported 3/4 inch hail in Lake Township.									
Bradford County									
Central Portion	16	1700EST 1915EST			0	0		Flash Flood	
A strong cold front combined with some of the moisture from the remnants of Hurricane Allison to produce extreme rainfall rates across portions of the area. The rain gage at NWS Binghamton recorded 3.57 inches of rain in just over one hour and event total estimates across Bradford county were around 5 inches. The rapid runoff from these rains caused flash flooding. Emergency management reported that many roads were washed out including Routes 14 and 187. In Asylum township a State of Emergency was declared and several evacuations were ordered due to an unstable dam on a pond at Gilpin dairy farm. Route 187 suffered significant damage between Moody Road and Durell Road where sluice pipes and sections of the road were washed away.									
Lackawanna County									
Carbondale	16	2200EST 2300EST			0	0		Flash Flood	
Emergency management reported a few trees down and a minor washout of Route 106.									
Bradford County									
Troy to Wyalusing	20	1240EST 1325EST			0	0		Hail (1.75)	
Newspaper reports indicate that golf ball size hail was reported in Terry township. Other reports from SKYWARN storm spotters indicate that 3/4 inch diameter hail was more common from Troy through Wyalusing. The hail accumulated to a depth of 2 to 3 inches in Terrytown where several homes and vehicles were damaged.									
Bradford County									
Troy to Wyalusing	20	1240EST			0	0		Thunderstorm Wind (G55)	
Emergency management reported many trees blown down by thunderstorm winds. Some homes were damaged by the falling trees and numerous roads were closed.									
Bradford County									
Wyalusing to Camptown	20	1325EST 1330EST			0	0		Thunderstorm Wind (G55)	
Newspaper reports indcate that several homes were damaged by falling trees that were blown down by thunderstorm winds.									
Wyoming County									
Laceyville	20	1350EST			0	0		Thunderstorm Wind (G55)	
Emergency management reported numerous trees and wires blown down by thunderstorm winds.									
Susquehanna County									
Springville	20	1405EST			0	0		Thunderstorm Wind (G55)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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PENNSYLVANIA, Northeast

Emergency management reported trees and wires blown down by thunderstorm winds.

Wyoming County

Lake Carey to Nicholson	20	1405EST			0	0		Thunderstorm Wind (G55)
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Emergency management reported numerous trees and wires blown down by thunderstorm winds in Lemon township, 2 miles north of Lake Carey. Newspaper reports indicate that other hard hit areas were near Quarry Road and Brecht Hill Road.

Wyoming County

Nicholson	20	1405EST			0	0		Lightning
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Newspaper reports indicate that a house was struck by lightning on Quarry Road.

Susquehanna County

Hop Bottom	20	1410EST			0	0		Thunderstorm Wind (G55)
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Emergency management reported numerous trees and wires blown down by thunderstorm winds in Lathrop township.

Lackawanna County

Carbondale	20	1430EST			0	0		Lightning
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Newspaper reports indicate that a house on Pike Street was struck by lightning.

Lackawanna County

East Benton	20	1430EST			0	0		Thunderstorm Wind (G55)
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Emergency management reported numerous trees down in Benton township.

Wayne County

Bethany	20	1500EST			0	0		Thunderstorm Wind (G55)
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SKYWARN storm spotters reported trees blown down by thunderstorm winds.

Wayne County

Honesdale	20	1505EST			0	0		Thunderstorm Wind (G55)
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Emergency management reported numerous trees blown down by thunderstorm winds. Newspaper reports indicate that several tents and lightly built structures were damaged. Approximately 5300 people were without power after the storm. Newspaper clippings also had reports of dime size hail across the central portion of the county.

Bradford County

Countywide	23	0833EST 1430EST			0	0		Flash Flood
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Emergency management officials reported numerous road closures due to flash flooding from heavy thunderstorm rains. A mudslide was also reported in Asylum.

PENNSYLVANIA, Northwest

Crawford County

Custards to Shaws	01	1530EST 1540EST			0	0	100K	Tornado (F0)
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A F0 tornado touched down near Custards in south central Crawford County. The tornado then traveled northeast for approximately five miles before dissipating just east of US Highway 322 near Shaws. The damage path was intermittent and approximately 200 feet in width. Around 100 trees were knocked down along the damage path with an additional 200 trees damaged. A house was damaged by a fallen tree near the site of the initial tornado touchdown.

Crawford County

Titusville	21	1835EST 1840EST			0	0	25K	Thunderstorm Wind
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Thunderstorms downed many trees. One of the fallen trees damaged a house.

PENNSYLVANIA, West

Fayette County

Smithfield	13	1735EST 1745EST			0	0	15K	Thunderstorm Wind
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Thunderstorm winds downed numerous trees and power lines across the southwest portion of the county. Minor damage to several homes from the wind and falling trees was also reported in the Fairchance and Collier areas.

Fayette County

Uniontown	20	1745EST 1945EST			0	0	50K	Flood
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Strong thunderstorms produced an estimated 3 inches of rainfall in only a few hours in the Uniontown area. This heavy rainfall flooded roadways in Uniontown, leaving several motorists stranded in their cars. One roadway bucked under the force of the water in the vicinity of Redstone Creek. Many reports of flooded basements were also received, and three families were forced to evacuate their homes.

Westmoreland County

5 N Ligonier	20	1815EST			1	2		Lightning
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Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage	Property	Crops	Character of Storm
PENNSYLVANIA, West									
Two adult Boy Scout leaders and one 15-year old Boy Scout were struck by lightning at Twin Echo Park off Route 271. One of the leaders died the next day from his injuries. The other two people were treated and released from the hospital. A group of around 10 people were standing outside under a large pine tree when lightning reportedly struck the tree, then branched off and hit the 3 people. At the time of the lightning strike, the skies were "dark in the distance, but it was not raining and no one heard thunder". M56UT									
Venango County 5 W Pleasantville	21	1845EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several trees.									
Washington County Cecil	21	1915EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several trees.									
Venango County Franklin	21 22	1930EST 0100EST			0	0	150K		Flood
Strong thunderstorms dropped over 2 inches of rain in around one hour, which produced flooding in the Franklin area. Several main roadways in the area, including State Routes 8, 322 and 417 were closed due to flooding. Nearly 2 feet of water was reported on SR 322 just west of Franklin. In the Franklin area, dozens of homes and several businesses reported basement flooding. Up to 6 feet of water flooded some of the urban roadways, stranding motorists.									
Allegheny County Pittsburgh	21	1945EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several trees in the Pittsburgh area.									
Jefferson County Summerville	21	2130EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several trees onto State Route 28.									
Butler County Slippery Rock	30	1405EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several trees.									
Lawrence County Neshannock Falls	30	1609EST			0	0	1K		Thunderstorm Wind
Thunderstorm winds downed several large tree limbs.									
PUERTO RICO									
Mayaguez And Vicinity									
Anasco	03	1710AST 1715AST			0	0	20K		Tornado (F0)
Emergency Managers indicated that a weak tornado affected a community in Anasco. Several houses had their roofs detached and their fences knocked down. In addition, a power company station exploded.									
Central Interior Morovis	16	1400AST 1600AST			0	0	5K		Urban/Sml Stream Fld
A strong thunderstorm caused strong winds and urban flooding in Morovis. Emergency Managers indicated that a house had flooding problems.									
Mayaguez And Vicinity South Portion	17	1400AST 1700AST			0	0	10K		Urban/Sml Stream Fld
Strong thunderstorms occurred over the western sections of Puerto Rico during the afternoon. The areas most affected were San German and Hormigueros where Emergency Managers indicated several streets covered by water and a house flooded due to poor drainage.									
Mayaguez And Vicinity San German	22	1515AST 1545AST			0	0			Tstm Wind/Hail
A person reported strong winds, estimated between 40 to 50 mph, associated with a thunderstorm. These winds knocked down several tree branches on road 119.									
Central Interior Villalba	23	1400AST 1700AST			0	0			Urban/Sml Stream Fld
Ponce And Vicinity Countywide	23	1400AST 1700AST			0	0			Urban/Sml Stream Fld

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>PUERTO RICO</u>									
Southwest									
Countywide	23	1400AST 1700AST			0	0		Urban/Sml Stream Fld	
Strong thunderstorms occurred during the afternoon hours across the south sections of Puerto Rico. In Cabo Rojo a small stream went out of its banks flooding road 100. A person was trapped in his car when passing the flooded road. He was later rescued unharmed. In Ponce another stream went out of its banks near Anon sector flooding adjacent areas. A landslide occurred over road 149 in Villalba.									
Mayaguez And Vicinity									
Northwest Portion	25	1400AST 1700AST			0	0		Heavy Rain	
A tropical wave caused strong thunderstorms with very heavy rain across the western sections of Puerto Rico during the afternoon. This rainfall produced seven serious landslides between Anasco and Aguada.									
Ponce And Vicinity									
Countywide	25	1500AST 1700AST			0	0	5K	Tstm Wind/Hail	
Southwest									
Countywide	25	1500AST 1700AST			0	0	5K	Tstm Wind/Hail	
A tropical wave caused strong thunderstorms with gusty winds across the south and southwest sections of Puerto Rico during the afternoon. These winds knocked down trees and power lines in many municipalities. Wind reports from a spotter in Lajas indicated wind gusts near 50 mph, at Ponce airport wind gusts were between 40 to 46 mph and in Juana Diaz the University wind sensor recorded winds of 48 mph.									
Mayaguez And Vicinity									
San German	27	1630AST 1730AST			0	0		Urban/Sml Stream Fld	
A farmer in San German reported Rio Rosario out of its banks in a low lying area flooding road 319.									
San Juan And Vicinity									
Countywide	28	1100AST 1300AST			0	0		Urban/Sml Stream Fld	
Heavy rainfall caused urban flooding over parts of Bayamon, Catano and San Juan.									
Northeast									
Ceiba	28	1845AST 1900AST			0	0		Funnel Cloud	
NAVY personnel in Ceiba observed a funnel cloud just north of the area.									
<u>RHODE ISLAND</u>									
Providence County									
Providence	11	2200EST			0	0	10K	Lightning	
Washington County									
Charlestown	11	2300EST			0	0	10K	Lightning	
Washington County									
Narragansett Pier	11	2305EST			0	0		Thunderstorm Wind (G50)	
A severe thunderstorm downed several large trees in South Kingstown. Lightning from thunderstorms that evening struck the radio tower of the East Providence Police Department, as well as the Charlestown Rescue Squad.									
Providence County									
Foster	17	1240EST			0	0	150K	Lightning	
Providence County									
Foster to Woonsocket	17	1552EST 1700EST			0	0		Flash Flood	
Torrential rainfall associated with the remnants of Tropical Storm Allison resulted in flash flooding throughout Providence County. In Foster, two roads were washed out when runoff carved gulches into the roadways. In Woonsocket, the foundations of two buildings were washed out. Several roads in Providence and Coventry were either flooded or washed out as well. Storm totals of 3 to 6 inches were common throughout northern Rhode Island, with as much as 7.10 inches in North Smithfield. Lightning struck a log house in Foster which ignited a fire, and completely destroyed the home.									
Providence County									
Woonsocket	30	1836EST 1853EST			0	0		Hail (1.00)	
Providence County									
Woonsocket	30	1853EST			0	0		Thunderstorm Wind (G50)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>RHODE ISLAND</u>								
Providence County								
Burrillville to Gloicester	30	1950EST 1955EST			0	0		Thunderstorm Wind (G50)
Severe thunderstorms dropped dime to quarter sized hail in Woonsocket, and downed trees and large branches in Woonsocket, Burrillville and Gloicester.								
<u>SOUTH CAROLINA, Central</u>								
Newberry County								
5 SE Newberry	01	1220EST			0	0	0	Thunderstorm Wind (G50)
Sheriff reported trees down on hwy 76 between Newberry and Prosperity.								
Calhoun County								
St Matthews	01	1230EST			0	0	0	Thunderstorm Wind (G50)
Highway dept. reported trees down in the St. Matthews area.								
Sumter County								
Sumter	01	1245EST			0	0	0	Thunderstorm Wind (G50)
Highway dept. reported trees down in south Sumter on Black River Rd.								
Edgefield County								
Johnston	03	1700EST			0	0	0	Thunderstorm Wind (G50)
Sheriff reported trees down on Land Bland Rd. in Johnston.								
Newberry County								
Silverstreet	03	1700EST			0	0	0	Thunderstorm Wind (G50)
Sheriff reported trees down on powerlines in the Silverstreet area.								
Saluda County								
3 NW Saluda	03	1715EST			0	0	0	Thunderstorm Wind (G50)
Spotter reported large branches down at the intersection of hwys 39 and 702.								
Lexington County								
Red Bank	03	1730EST			0	0	0	Hail (0.75)
Spotter reported 3/4 inch hail in Red Bank.								
Richland County								
Columbia	03	1742EST			0	0	0	Hail (0.75)
Spotter reported 3/4 inch hail in downtown Columbia.								
Lexington County								
8 SE Lexington	03	1745EST			0	0	0	Thunderstorm Wind (G50)
Dept. of Public Safety reported trees down on powerlines in the Pineridge area.								
Sumter County								
Sumter	03	1845EST			0	0	0	Thunderstorm Wind (G50)
Sheriff reported trees down in south Sumter.								
Lexington County								
Swansea	12	1830EST			0	0	0	Thunderstorm Wind (G50)
Sheriff reported several trees down in the Swansea area.								
Bamberg County								
Ehrhardt	12	1833EST 1834EST			0	0	0	Tornado (F0)
A small F0 took down some trees and powerlines in Ehrhardt.								
Richland County								
Ft Jackson	13	1322EST 1323EST			0	0	0	Tornado (F0)
Military Police reported sighting a touchdown near the golf course taking down several trees.								
Richland County								
Ft Jackson	13	1400EST 1530EST			0	0	0	Flash Flood
Military Police reported flash flooding around the base near streams which covered roads.								
Sumter County								
West Portion	13	1415EST 1540EST			0	0	0	Flash Flood
Sheriff reported flooded highways in western Sumter county.								
Kershaw County								
Southwest Portion	13	1420EST 1545EST			0	0	0	Flash Flood
Sheriff reported flooding of county roads in southwest portion of county.								

Storm Data and Unusual Weather Phenomena

June 2001

									June 2001
		Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
Location	Date								
<u>SOUTH CAROLINA, Central</u>									
Aiken County									
Windsor	14	1640EST			0	0	0	Thunderstorm Wind (G50)	
			Public reported billboards blown down in Windsor.						
Sumter County									
5 SSW Pinewood	15	1518EST			0	0	0	Hail (0.75)	
			Public reported 3/4 inch hail in Rimini.						
Richland County									
Pontiac	16	1845EST			0	0	0	Thunderstorm Wind (G50)	
			Highway dept. reported several trees down in the Pontiac area.						
Kershaw County									
Elgin	16	1851EST			0	0	0	Hail (0.75)	
			Sheriff reported 3/4 inch hail in Elgin.						
Kershaw County									
Elgin	16	1851EST			0	0	0	Thunderstorm Wind (G50)	
			Sheriff reported trees down in the Elgin area.						
Calhoun County									
3 N St Matthews	16	2130EST 2230EST			0	0	0	Flash Flood	
			Highway dept reported hwys 24 and 25 flooded north of St. Matthews.						
Calhoun County									
15 NW St Matthews	21	1345EST			0	0	0	Thunderstorm Wind (G50)	
			Sheriff reported trees down in the Sandy Run area.						
Aiken County									
North Augusta	22	1620EST 1630EST			0	0	0	Thunderstorm Wind (G50)	
			WAGT TV and SC Hwy Patrol reported trees down in the N. Augusta area.						
Newberry County									
Silverstreet	22	1633EST			0	0	0	Thunderstorm Wind (G50)	
			Sheriff reported some trees down in the Silverstreet and Newberry areas.						
Fairfield County									
Ridgeway	22	1700EST			0	0	0	Thunderstorm Wind (G50)	
			Electric co. reported trees down on powerlines on Longtown Rd.						
Richland County									
15 N Columbia	22	1700EST			0	0	0	Thunderstorm Wind (G50)	
			Electric co. reported trees down on hwy 321.						
Richland County									
5 S Columbia	22	1730EST			0	0	0	Thunderstorm Wind (G50)	
			Fire dept reported trees down on Trotter rd.						
Calhoun County									
4 N St Matthews	25	1132EST			0	0	0	Thunderstorm Wind (G50)	
			Hwy Dept. reported large branches down.						
Richland County									
Mc Entire Ang	25	1215EST			0	0	0	Thunderstorm Wind (G57)	
			MMT official obs reported gust to 57kts.						
Richland County									
2 E Ft Jackson	25	1225EST			0	0	0	Thunderstorm Wind (G55)	
			Sheriff reported trees down in the eastern part of the county.						
Barnwell County									
Barnwell	25	1234EST			0	0	0	Hail (0.88)	
			EM reported nickel size hail in Barnwell.						
Barnwell County									
2 N Barnwell	25	1248EST			0	0	0	Thunderstorm Wind (G50)	
			Sheriff reported trees down.						
Barnwell County									
Williston	25	1320EST			0	0	0	Thunderstorm Wind (G50)	
			Sheriff reported trees down in the Williston area.						
Barnwell County									
Williston	25	1344EST			0	0	0	Thunderstorm Wind (G50)	
			Highway Maint. dept reported several trees down in the Williston area.						

Storm Data and Unusual Weather Phenomena

June 2001

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>SOUTH CAROLINA, Central</u>									
Sumter County									
Shaw Afb	25	1415EST			0	0		Hail (1.50)	
Official ob reported 1.5 inch hail.									
Orangeburg County									
Orangeburg	26	1445EST			0	0	0	Thunderstorm Wind (G50)	
EM reported large branches down in North Orangeburg.									
Mccormick County									
Plum Branch	26	1515EST			0	0		Hail (1.00)	
Sheriff reported 1 inch hail in the Plum Branch area.									
Aiken County									
Monetta	26	1520EST			0	0	0	Hail (0.75)	
Post Office reported 3/4 inch hail just south of Monetta.									
Orangeburg County									
Orangeburg	27	1320EST			0	0	0	Hail (0.75)	
EM reported 3/4 inch hail in Orangeburg.									
Orangeburg County									
Orangeburg	27	1320EST			0	0	0	Thunderstorm Wind (G55)	
EM reported trees down on a couple of houses.									
Barnwell County									
10 W Barnwell	27	1430EST			0	0	0	Thunderstorm Wind (G50)	
Savannah River Site reported trees down and a guard shack overturned.									
Aiken County									
12 S Aiken	27	1450EST			0	0	0	Thunderstorm Wind (G50)	
Savannah River Site reported trees down.									
Richland County									
7 N Columbia	27	1545EST			0	0	0	Thunderstorm Wind (G50)	
Highway Dept. reported trees down on Monticell road and hwy 215.									
Richland County									
Countywide	28	1638EST 1845EST			0	0		Flash Flood	
Sheriff reported flooding on roadways in low lying areas of the county.									
<u>SOUTH CAROLINA, North Coastal</u>									
Florence County									
Pamplico	01	1240EST			0	0		Thunderstorm Wind (G60)	
Trees down.									
Dillon County									
Dillon	01	1245EST			0	0		Thunderstorm Wind (G55)	
Dillon county sheriff reported two large trees down...one on Countryside Rd. and the other on Interstate 95.									
Florence County									
Effingham	01	1300EST			0	0		Thunderstorm Wind (G60)	
Trees down on Friendfield Rd.									
Marlboro County									
3 W Bennettsville	01	1357EST			0	0		Thunderstorm Wind (G50)	
Spotter's wind equipment measured a 58 mph wind gust.									
Horry County									
Aynor	01	1600EST			0	0		Hail (0.75)	
Spotter reported dime size hail.									
Horry County									
2 S Socastee	01	1740EST			0	0		Hail (0.75)	
Spotter reported dime size hail.									
Horry County									
Conway	01	1935EST			0	0		Hail (0.75)	
Skywarn spotter reported dime size hail.									
Georgetown County									
Wachesaw Lndg	02	2030EST			0	0	1.5K	Lightning	
Lightning cause minor damage to a home.									
Florence County									
8 E Lake City	03	1930EST			0	0		Thunderstorm Wind (G55)	

Storm Data and Unusual Weather Phenomena

								June 2001
	Time	Path	Path	Number of	Estimated			
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Property	Crops	Character of Storm
<u>SOUTH CAROLINA, North Coastal</u>								
Law enforcement reported a large tree down across Wiley Rd.								
Horry County								
Conway	03	2030EST			0	0	5K	Thunderstorm Wind (G55)
Law enforcement reported sheeting from a building under construction was blown down.								
Horry County								
Myrtle Beach	03	2100EST			0	0	20K	Lightning
Lightning struck a home on North Ocean Blvd. , causing moderate fire and water damage, officials said.								
Marlboro County								
Clio	15	1445EST			0	0	5.5K	Lightning
Lightning caused two homes to catch fire, causing a total of \$5,500 damage. One home was located on Laurin Willis Road, the other on Jefferson St.								
Horry County								
4 S Loris	16	1555EST			0	0		Hail (1.00)
Ham radio operator reported quarter size hail.								
Horry County								
Myrtle Beach	21	2218EST			0	0	200K	Lightning
Lightning ignited a fire at an apartment complex. Residents in the building's 14 apartments were forced to relocate after an Horry County code enforcer deemed the building uninhabitable.								
Williamsburg County								
2 E Salters	22	1525EST			0	0		Thunderstorm Wind (G55)
Law enforcement reported power lines down in the vicinity of Bryan's Crossroads.								
Williamsburg County								
Kingstree	22	1535EST			0	0		Thunderstorm Wind (G60)
Law enforcement reported trees down with power outages in numerous locations.								
Marion County								
1 NW Mullins to Nichols	22	1647EST 1654EST			0	0		Hail (1.00)
Law enforcement reported that a thunderstorm dropped dime size hail and downed trees in Mullins. Quarter size hail was reported in Nichols.								
Marion County								
3 W Marion to Marion	22	1648EST 1653EST			0	2	10K	Thunderstorm Wind (G65)
Law enforcement reported a large tree fell on a car, injuring two people. Quarter size hail and trees on power lines were also reported.								
Dillon County								
Dillon	22	1700EST			0	0		Thunderstorm Wind (G60)
Public reported trees down across the road at the Lake View Millpond.								
Horry County								
Longs	25	1209EST			0	0		Hail (1.00)
Longs fire department reported quarter size hail.								
Horry County								
3 S Conway	25	1430EST 1530EST			0	0		Flood
Heavy rains filled ditches and flooded yards.								
Florence County								
Lake City	25	1500EST			0	0		Lightning
Lightning struck an antenna tower, causing minor damage to the emergency dispatch system. The damage estimate is unknown.								
Williamsburg County								
Mouzon	25	1505EST 1630EST			0	0		Flood
Spotter reported four inches of rainfall in 90 minutes, causing ditches to flood into the roads.								
Williamsburg County								
2 N Kingstree	26	1240EST 1243EST			0	0		Hail (0.75)
Dime size hail reported.								
Williamsburg County								
4 W Cades	28	1615EST			0	0		Thunderstorm Wind (G65)
Spotter reported two large trees down.								

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>SOUTH CAROLINA, Northwest</u>									
Anderson County									
10 W Anderson	03	1520EST			0	0		Thunderstorm Wind (G50)	
Several trees blown down near Lake Hartwell.									
Greenwood County									
Coronaco to 5 E Greenwood	03	1600EST 1615EST			0	0		Thunderstorm Wind (G55)	
Numerous trees and power lines blown down. Traffic lights were blown to the ground. One tree tore through the roof of a house, and several large limbs fell through roofs. Damage track from north of city to Lake Greenwood. Highway Patrol also reported debris from a trailer blown across a road. A tin room was blown off a building at Cedar Springs Golf Course, where 20 to 25 trees were downed and a 65-pound battery charger was blown onto the roof of the clubhouse.									
Laurens County									
Cross Hill	03	1615EST			0	0		Thunderstorm Wind (G50)	
A couple of trees were blown down near Lake Greenwood.									
Pickens County									
2 W Easley	08	1909EST			0	0		Thunderstorm Wind (G50)	
Trees and power lines down near Easley.									
Union County									
2 NW Carlisle	09	1415EST 1435EST			0	0		Tornado (F0)	
Several eyewitnesses reported a tornado touching down during a thunderstorm that was effectively stationary for at least 15 minutes. Path of the tornado was mostly through the woods. Fire department found 2 large oak trees with broken limbs. NWS storm survey team received 5 images of the tornado.									
The tornado was a well-defined vortex descending from an apparent small wall cloud. Radar presentation displayed a small thunderstorm, or moderate to heavy rain shower, with only a 30,000 foot top.									
Spartanburg County									
1 E Landrum	13	1400EST 1420EST			0	0		Thunderstorm Wind (G55)	
A firefighter reported trees and power lines down. Traffic on Interstate 26 was blocked for an hour because of trees across the roadway.									
Spartanburg County									
Spartanburg to Woodruff	13	1430EST 1435EST			0	0		Thunderstorm Wind (G50)	
Scattered power outages resulted from trees and limbs downed on power lines.									
Laurens County									
Gray Court	13	1610EST 1620EST			0	0		Thunderstorm Wind (G50)	
Laurens County									
Laurens	13	1610EST 1630EST			0	0		Thunderstorm Wind (G60)	
911 center reported trees and power lines down in Gray Court and Laurens. Up to 200 trees were reported down in and around Laurens, with some falling on houses. There was local flooding due to debris piling up.									
Laurens County									
Laurens	13	1615EST 1700EST			0	0		Urban/Sml Stream Fld	
Anderson County									
8 E Anderson	13	1630EST			0	0		Hail (1.00)	
Spotter reported quarter-sized hail covering the ground along U.S.76.									
Anderson County									
2 E Anderson	13	1645EST 1650EST			0	0	500K	Thunderstorm Wind (G60)	
Severe thunderstorm winds caused damage to some buildings at the county fairgrounds, resulting in postponement of a bingo tournament. Roofs were blown off three buildings.									
Oconee County									
Mountain Rest	13	1648EST			0	0		Hail (0.75)	
Deputy reported dime-sized hail.									
Anderson County									
Anderson	13	1715EST 1745EST			0	0		Hail (0.75)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>SOUTH CAROLINA, Northwest</u>							
Anderson County							
Anderson	13	1715EST 1745EST			0 0		Lightning
911 center and trained spotter reports of widespread damage, from a college to a hospital, across the city. Numerous trees and power lines were brought down by the storm, with some of the trees falling on structures. Several lightning fires. Storm moved northeast to southwest across the city.							
Anderson County							
Anderson	13	1715EST 1745EST			0 0		Thunderstorm Wind (G60)
Greenwood County							
Greenwood	13	1725EST			0 0		Thunderstorm Wind (G60)
911 center reported numerous trees and power lines down across the county.							
Greenville County							
23 N Greenville	13	1810EST			0 0		Hail (0.75)
Public report of dime-sized hail falling along highway 11 just inside the county line in the extreme northeast corner of Greenville County.							
Anderson County							
3 S Anderson	13	1814EST 1830EST			0 0		Thunderstorm Wind (G60)
Continued severe thunderstorm development resulted in considerable damage to the Homeland Park community, just south of Anderson. Trees were blown onto homes and power was out for some time into the evening.							
Chester County							
Edgemoor	13	1917EST			0 0		Thunderstorm Wind (G50)
911 center reported trees and power lines down across the county.							
Abbeville County							
Abbeville	13	1930EST			0 0		Thunderstorm Wind (G50)
911 center reported trees fell on some vehicles in rural part of Abbeville.							
Oconee County							
8 W Walhalla	14	1340EST			0 0		Hail (1.75)
Storm spotter reported golfball-sized hail.							
Oconee County							
Salem	14	1430EST			0 0		Thunderstorm Wind (G50)
Sheriff's deputy reported large limbs down on roads.							
Greenville County							
8 N Travelers Rest to Tigerville	14	1435EST			0 0		Thunderstorm Wind (G50)
City and county officials reported numerous trees down in northern Greenville County. One tree damaged a fence at North Greenville College.							
Pickens County							
1 W Easley	14	1505EST			0 0		Hail (0.75)
Pickens County							
3 W Easley to Easley	14	1505EST			0 0		Thunderstorm Wind (G50)
A couple of trees, and one power line, brought down by thunderstorm winds. Trained spotter reported dime-sized hail just outside the Easley city limits.							
Laurens County							
Fountain Inn	14	1615EST			0 0		Thunderstorm Wind (G50)
911 center reported trees down.							
Cherokee County							
Countywide	14	1730EST			0 0		Thunderstorm Wind (G50)
911 center reported trees and power lines down countywide.							
Cherokee County							
Gaffney	15	1658EST			0 0		Thunderstorm Wind (G50)
911 center reported trees and power lines down.							
Cherokee County							
Blacksburg to 2 SE Blacksburg	15	1705EST			0 0		Thunderstorm Wind (G50)
Trees and power lines down from Blacksburg to Cashion Crossroads.							
York County							
2 S Clover	15	1735EST			0 0		Thunderstorm Wind (G53)

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Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
SOUTH CAROLINA, Northwest							
Several six-inch diameter pine trees blown down. A SKYWARN spotter measured a wind gust to 62 mph.							
York County							
York	15	1735EST			0	0	Thunderstorm Wind (G50)
Several trees and power lines down across the city.							
York County							
3 SE Rock Hill	15	1820EST			0	0	Thunderstorm Wind (G55)
Numerous trees and power lines down near Interstate 77.							
Chester County							
Edgemoor to Ft Lawn	15	1830EST			0	0	Thunderstorm Wind (G55)
Numerous trees blown down between Edgemoor and Fort Lawn.							
Greenville County							
Tigerville	22	1400EST			0	0	Thunderstorm Wind (G50)
Spotter reported two trees down.							
York County							
Ft Mill	22	1600EST			0	0	50K Lightning
Lightning caused a couple of house fires, which heavily damaged the houses.							
Greenwood County							
Greenwood	22	1619EST			0	0	Thunderstorm Wind (G55)
911 center reported numerous trees and power lines down throughout the city.							
Chester County							
Chester to Richburg	22	1656EST 1710EST			0	0	Thunderstorm Wind (G50)
Highway patrol reported numerous trees down between Chester and Richburg.							
SCZ007>008							
Spartanburg - Cherokee							
	23	1830EST 1915EST			0	0	Funnel Clouds
Union County							
Carlisle	24	1800EST			0	0	Thunderstorm Wind (G50)
Two areas of trees down in and around Carlisle.							
Cherokee County							
6 NE Gaffney	24	1955EST			0	0	Thunderstorm Wind (G50)
Trees blown down.							
Spartanburg County							
Pauline	24	2315EST			0	0	20K Lightning
Lightning sparked a fire which destroyed an unoccupied, wooden frame house.							
Cherokee County							
Gaffney	24	2315EST			0	0	1M Lightning
Lightning blew a transformer at a manufacturing plant, shutting it down for more than 24 hours and keeping 1000 employees off the job.							
Spartanburg County							
20 S Spartanburg	25	0125EST 0500EST			0	0	Flash Flood
State highway 146 was flooded, with at least three feet of water over the roadway at one time just a few miles southeast of Woodruff. Numerous other roads in the area were also closed because of flooding. An officer lost his patrol car in the flood waters as he attempted to maneuver through the high water. A wrecker was unable to attempt a rescue of the vehicle because it couldn't get through the flood water. Radar estimated over 10 inches of rain in the flood area.							
Union County							
Buffalo to Union	25	0315EST 0600EST			0	0	Flash Flood
Overflowing creeks flooded roads in the western half of Union County, between Buffalo and Union.							
Anderson County							
8 W Anderson	25	1355EST			0	0	Hail (1.75)
Golfball-sized hail fell on the Anderson County side of Lake Hartwell. 8 to 10 homes were also struck by lightning. A few fires were started also.							
Anderson County							
8 W Anderson	25	1355EST 1400EST			0	0	Lightning
Cherokee County							
6 NE Gaffney	25	1400EST			0	0	Hail (0.75)

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Property Damage	Crops	Character of Storm	
<u>SOUTH CAROLINA, Northwest</u>									
Spotter reported dime-sized hail near Earl.									
Spartanburg County									
Spartanburg	25	1410EST			0	0		Hail (0.75)	
Spartanburg County									
7 W Spartanburg	25	1410EST			0	0		Thunderstorm Wind (G50)	
Trees down near the Interstate 85/Business 85 merge. At the same time, dime-sized hail was reported in downtown Spartanburg.									
Anderson County									
5 E Anderson	25	1442EST 1600EST			0	0		Urban/Sml Stream Fld	
Broadway Creek flooded briefly between Anderson and Belton.									
Spartanburg County									
Landrum	25	1515EST			0	0		Hail (0.75)	
Landrum police reported dime-sized hail.									
Laurens County									
2 E Laurens	25	1635EST			0	0		Hail (0.75)	
Dime-sized hail fell on the east side of Laurens.									
Laurens County									
Laurens	25	1645EST 1900EST			0	0		Flash Flood	
Little River flooded within the city limits. Numerous low spots were blocked by standing water. Cars stalled in flood water on US 76. A ridge of high pressure had built over the southeast states late in June. Meanwhile, tropical air was trapped under the ridge axis across the southeast states. Flow through the mid levels of the atmosphere was almost non-existent, resulting in numerous slow-moving showers and thunderstorms, that produced torrential rainfall in areas they traversed. Flooding events on the 25th were all produced by deep convection that stayed in the same area until the cells had rained themselves out.									
Laurens County									
Clinton	25	1650EST			0	0		Thunderstorm Wind (G50)	
Trees and power lines blown down.									
Laurens County									
Clinton	25	1720EST			0	0		Hail (0.88)	
Nickel-sized hail fell at Clinton.									
Cherokee County									
Blacksburg	25	1845EST			0	0		Hail (0.75)	
Cherokee County									
Blacksburg	25	1845EST			0	0		Thunderstorm Wind (G50)	
911 center reported that three trees were blown down. Dime-sized hail was also observed.									
Greenwood County									
16 SW Greenwood to Greenwood	26	1315EST 1330EST			0	0		Hail (1.75)	
A path of golfball-sized hail was observed by a sheriff's deputy from Troy northward to Greenwood.									
Anderson County									
2 SE Anderson	26	1437EST			0	0		Hail (0.75)	
Trained spotter reported dime-sized hail at highway 252.									
Laurens County									
Laurens	27	1612EST			0	1		Thunderstorm Wind (G50)	
A tree was blown over onto a house, injuring one occupant. Several other trees down in the same area.									
Spartanburg County									
Cross Anchor	27	1700EST			0	0		Thunderstorm Wind (G50)	
Trees down, including one blown over onto a mobile home, and another onto a barn.									
York County									
Rock Hill	28	1628EST			0	0		Thunderstorm Wind (G50)	
Trained spotter report of 55 to 60 mph winds.									
Spartanburg County									
Inman	28	1915EST			0	0		Thunderstorm Wind (G50)	
Several large trees blown down.									
Greenwood County									
9 NE Greenwood	30	1500EST			0	1		Lightning	
Lightning struck one person at Lake Greenwood State Park. The victim was taken to the hospital, where he eventually recovered.									

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>SOUTH CAROLINA, South Coastal</u>									
SCZ040-042>045-047>050	Allendale - Hampton - Northern Colleton - Dorchester - Berkeley - Jasper - Beaufort - Southern Colleton - Charleston								
	01 23	0000EST 2359EST			0 0			Drought	
The month began with moderate drought conditions which continued from the past couple of months. After several soaking rains, drought conditions lessened to become mild during the last half of the month.									
Colleton County									
Cottageville	05	1430EST			0 0			Thunderstorm Wind (G50)	
Large limbs and power lines down.									
Hampton County									
1 NE Early Branch to 2 NE Early Branch	12	1635EST 1640EST			0 0			Tornado (F0)	
Colleton County									
5 S Walterboro to 6 SE Walterboro	12	1640EST 1650EST			0 0			Tornado (F0)	
Colleton County									
Islandton	12	1710EST			0 0			Thunderstorm Wind (G50)	
Trees and power lines down.									
Hampton County									
Hampton to 6 NE Hampton	12	1730EST 1745EST			0 0			Tornado (F1)	
Courthouse damaged and several trees snapped off 15 to 20 feet above the ground.									
Jasper County									
5 SE Ridgeland to 7 ESE Ridgeland	12	1905EST 1910EST			0 0			Thunderstorm Wind (G50)	
Large limbs and power lines down.									
Beaufort County									
Gardens Corner to 1 NE Gardens Corner	12	1910EST 1915EST			0 0			Tornado (F0)	
Beaufort County									
6 NE Bluffton to 7 NE Bluffton	12	1925EST 1930EST			0 0			Tornado (F0)	
Beaufort County									
Parris Is to 1 E Parris Is	12	1955EST 1958EST			0 0			Tornado (F0)	
Beaufort County									
2 NE Beaufort to 3 NE Beaufort	12	2015EST 2020EST			0 0			Tornado (F0)	
Charleston County									
Ladson	12	2100EST			0 0			Thunderstorm Wind (G50)	
Large limbs and trees down.									
Charleston County									
Edisto Is to 1 NE Edisto Is	12	2205EST 2210EST			0 0			Tornado (F0)	
As the remnants of Tropical Storm Allison moved across the southeastern states, numerous funnel clouds developed with several of them actually touching down for brief periods of time. None of them produced any major damage. In most cases, there were trees snapped off about 15 to 20 feet above the ground.									
Jasper County									
Ridgeland	14	1400EST			0 0			Thunderstorm Wind (G52)	
Trees and power lines down.									
Beaufort County									
Port Royal	14	1432EST			0 0			Thunderstorm Wind (G52)	
Power lines down.									
Beaufort County									
Beaufort to 2 E Beaufort	21	1240EST			0 0			Thunderstorm Wind (G50)	
Large limbs, several trees and power lines down.									
Beaufort County									
Bluffton	21	1355EST			0 0			Thunderstorm Wind (G50)	
Large limbs and power lines down.									

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>SOUTH CAROLINA, South Coastal</u>									
Beaufort County									
Hilton Head Is	25	0910EST			0	0		Thunderstorm Wind (G61)	
Charleston County									
2 E Mt Pleasant	26	2030EST			0	0		Waterspout	
Waterspout was reported by several television viewers.									
Beaufort County									
5 E Hilton Head Is to 8 NE Hilton Head Is	28	0820EST 0825EST			0	0		Waterspout	
<u>SOUTH DAKOTA, Central and North</u>									
SDZ006-018	Brown - Spink								
	01	0000CST			0	0		Flood	
	30	2359CST							
The James River remained above flood stage throughout much of June from Columbia to Ashton. The James did fall nearly a foot at both Columbia and Stratford and fell below flood stage at Ashton on the 29th. Minor flooding of lowlands continued throughout June.									
Walworth County									
Lowry	06	1040CST			0	0		Hail (1.00)	
Spink County									
2 NE Ashton	06	1450CST			0	0		Hail (0.88)	
Spink County									
Mellette	06	1640CST			0	0		Hail (0.75)	
Spink County									
1 S Mellette	06	1643CST			0	0		Hail (1.00)	
Spink County									
Turton	06	1725CST			0	0		Hail (0.75)	
Spink County									
Doland	06	1734CST			0	0		Hail (0.75)	
Clark County									
5 N Raymond	06	1750CST			0	0		Hail (0.75)	
Clark County									
5 N Raymond	06	1750CST			0	0		Thunderstorm Wind (G61)	
Clark County									
4 W Garden City	06	1819CST			0	0		Hail (0.75)	
Clark County									
3 S Garden City	06	1825CST			0	0		Hail (1.00)	
Clark County									
Garden City	06	1826CST			0	0		Hail (1.00)	
Codington County									
2 W Henry	06	1835CST			0	0		Hail (0.88)	
Clark County									
3 S Naples	06	1839CST			0	0		Hail (0.75)	
Hamlin County									
2 E Thomas	06	1918CST			0	0		Hail (0.75)	
Jones County									
Capa	09	1945CST			0	0		Thunderstorm Wind (G52)	
Stanley County									
6 E Hayes	09	2000CST			0	0		Thunderstorm Wind (G61)	
Mcpherson County									
11 N Leola	09	2005CST			0	0		Hail (2.50)	
Golfball to tennis ball size hail broke many windows out of several buildings along with severely damaging the siding on the house. Also, the roofs were damaged with holes in the roof of the barn.									
Stanley County									
20 SW Ft Pierre	09	2010CST			0	0		Thunderstorm Wind (G52)	
Mcpherson County									
11 NE Leola	09	2015CST			0	0		Hail (0.88)	
Corson County									
15 NE Mc Laughlin	09	2030CST			0	0		Hail (1.00)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>SOUTH DAKOTA, Central and North</u>							
Hughes County							
Blunt	09	2030CST			0	0	Thunderstorm Wind (G61)
Seventy mph winds brought down several trees and many tree branches in Blunt. Just west of Blunt, part of a barn and a shed were severely damaged.							
Mcperson County							
17 NE Leola	09	2030CST			0	0	Hail (1.00)
Stanley County							
9 SW Ft Pierre	09	2032CST			0	0	Thunderstorm Wind (G52)
Winds to 60 mph blew many shingles off of the house.							
Hughes County							
Pierre	09	2035CST			0	0	Thunderstorm Wind (G60) ^M
Hughes County							
21 E Pierre	09	2045CST			0	0	Thunderstorm Wind (G61)
Winds to around 70 mph downed several trees and many tree branches.							
Lyman County							
5 SW Kennebec	09	2045CST			0	0	Thunderstorm Wind (G52)
Campbell County							
Pollock	09	2052CST			0	0	Hail (1.00)
Brown County							
Westport	09	2055CST			0	0	Hail (0.88)
Buffalo County							
14 E Ft Thompson	09	2100CST			0	0	Thunderstorm Wind (G56)
Brown County							
10 N Aberdeen	09	2105CST			0	0	Hail (1.00)
Campbell County							
Mound City	09	2105CST			0	0	Hail (1.00)
Brown County							
Columbia	09	2108CST			0	0	Hail (0.75)
Day County							
2 N Webster	09	2110CST			0	0	Hail (0.75)
Brown County							
Hecla	09	2115CST			0	0	Thunderstorm Wind (G61)
Seventy mph winds brought down several large trees and many branches. Some power lines were also downed.							
Brown County							
1 NW Aberdeen	09	2118CST			0	0	Hail (1.00)
Brown County							
Richmond	09	2120CST			0	0	Hail (1.75)
Walworth County							
Glenham	09	2120CST			0	0	Thunderstorm Wind (G52)
Edmunds County							
Ipswich	09	2130CST			0	0	Hail (0.75)
Hand County							
1 S Miller	09	2130CST			0	0	Hail (0.75)
Hand County							
7 NE Polo	09	2130CST			0	0	Thunderstorm Wind (G52)
Brown County							
4 S Ferney	09	2145CST			0	0	Hail (1.00)
Brown County							
4 S Ferney	09	2145CST			0	0	Thunderstorm Wind (G52)
Hamlin County							
Bryant	09	2202CST			0	0	Hail (0.88)
Day County							
Bristol	09	2215CST			0	0	Hail (0.75)
Day County							
Waubay	09	2215CST			0	0	Hail (1.00)
Day County							
Webster	09	2215CST			0	0	Hail (0.75)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>SOUTH DAKOTA, Central and North</u>									
Faulk County									
Wecota	09	2225CST			0	0		Thunderstorm Wind (G81)	M
								Winds measured over 90 mph destroyed two 9000 bushel grain bins and severely damaged four other grain bins in Wecota. Many trees and branches were also downed in Wecota and the surrounding area. A center pivot irrigation system was also destroyed near Wecota.	
Faulk County									
8 W Cresbard	09	2230CST			0	0		Thunderstorm Wind (G65)	
								Trees were snapped off from the very high winds.	
Faulk County									
5 E Faulkton	09	2230CST			0	0		Thunderstorm Wind (G70)	
								On two different farms about five miles east of Faulkton, winds to 80 mph uprooted many trees, destroyed three steel grain bins, destroyed the roof on an historic barn, and the doors were blown off of several farm buildings.	
Faulk County									
Miranda	09	2230CST			0	0		Thunderstorm Wind (G61)	
								Seventy mph winds brought down several large trees and many branches.	
Codington County									
Florence	09	2235CST			0	0		Thunderstorm Wind (G61)	
Faulk County									
6.5 SE Faulkton	09	2235CST			0	0		Thunderstorm Wind (G59)	M
								Winds to nearly 70 mph blew shingles off of the house, damaged a barn, and brought a few trees and many branches down.	
Grant County									
2 SE Milbank	09	2245CST			0	0		Thunderstorm Wind (G63)	M
Hamlin County									
Bryant	09	2245CST			0	0		Hail (0.88)	
Spink County									
Turton	09	2245CST			0	0		Hail (1.00)	
Clark County									
5 S Garden City	09	2255CST			0	0		Hail (0.75)	
Codington County									
Watertown	09	2259CST			0	0		Thunderstorm Wind (G51)	M
Grant County									
2 SE Stockholm	09	2300CST			0	0		Thunderstorm Wind (G71)	
								Eighty mph winds leveled a wooden dairy barn, silo, a feed shed, and a steel grain bin, along with downing several trees.	
Codington County									
Watertown	09	2302CST			0	0		Hail (0.75)	
Grant County									
1 S Stockholm	09	2303CST			0	0		Thunderstorm Wind (G52)	
Hamlin County									
5 W Hazel	09	2310CST			0	0		Hail (0.75)	
Deuel County									
Astoria	09	2315CST			0	0		Thunderstorm Wind (G61)	
								In Astoria, high winds blew down many trees and branches and destroyed the fertilizer building by the elevator.	
Deuel County									
8 W Clear Lake	09	2315CST			0	0		Hail (1.00)	
Deuel County									
Clear Lake	09	2315CST			0	0		Thunderstorm Wind (G70)	
								Many trees were downed in and around Clear Lake by 80 mph winds. At a farm just to the northeast of Clear Lake, a 220 foot milking barn was destroyed, half of another barn was destroyed, and several pieces of machinery were damaged. Also, a silo toppled over and killed two horses. At another farm northeast of Clear Lake, part of a machine shed roof was torn off, an irrigation unit was tipped over and severely damaged, and trees were uprooted. Just to the northwest of Clear Lake, high winds and hail broke windows out of a home and severely damaged the siding. In Clear Lake, several buildings and some semi trailers were damaged at a business by the high winds.	
Hamlin County									
Estelline	09	2329CST			0	0		Thunderstorm Wind (G70)	
								Winds to 80 mph brought down nearly 200 trees in and around Estelline. Power lines were also brought down, two grain bins were destroyed, and there was some damage to structures and roofs.	
Clark County									
1 W Vienna	09	2330CST			0	0		Hail (1.00)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>SOUTH DAKOTA, Central and North</u>								
Codington County								
Watertown	09	2330CST			0	0		Lightning A lightning strike splintered the base of a large maple tree in Watertown and downed a large tree branch. Pieces of wood damaged the sun room of a house and broke out several windows in some surrounding homes. The lightning strike also caused some water breaks and basement flooding in one home.
Grant County								
1 S Stockholm	09	2330CST			0	0		Hail (0.75)
Deuel County								
Clear Lake	10	0000CST			0	0		Hail (0.75)
Hand County								
10 S Vayland	12	1855CST			0	0		Hail (1.00)
Clark County								
South Portion	13	0400CST 0800CST			0	0		Flash Flood
Deuel County								
South Portion	13	0400CST 0800CST			0	0		Flash Flood
Hamlin County								
Countywide	13	0400CST 0800CST			0	0		Flash Flood Very heavy rains of 3 to 7 inches fell across far southern Clark, parts of Hamlin, and southern Deuel counties causing flash flooding. Many creeks and streams flooded and damaged some roads.
Spink County								
2 SE Turton	13	1610CST			0	0		Hail (0.75)
Hamlin County								
2 NW Hazel	13	1611CST 1613CST			0	0		Tornado (F0) A tornado touched down briefly northwest of Hazel. No damage occurred.
Clark County								
8 N Raymond	13	1630CST			0	0		Hail (0.75)
Grant County								
8 SW Twin Brooks	13	1650CST			0	0		Hail (1.75)
Day County								
3 N Webster	13	1730CST			0	0		Hail (0.75)
Day County								
4 S Webster	13	1734CST			0	0		Hail (1.00)
Brown County								
6 SE Hecla	13	1740CST			0	0		Hail (0.88)
Day County								
2 SW Waubay	13	1748CST			0	0		Hail (0.75)
Potter County								
Tolstoy	17	0930CST			0	0		Lightning Lightning struck the Tolstoy Wesleyan Church starting a fire in the attic. The fire spread and destroyed the church. Everyone in the church escaped without injury.
Walworth County								
Java	17	1300CST			0	0		Hail (0.88)
Edmunds County								
Bowdle	17	1320CST			0	0		Hail (0.75)
Jones County								
6 S Draper	18	0000CST			0	0		Hail (0.75)
Jones County								
6 S Draper	18	0000CST			0	0		Thunderstorm Wind (G52) Sixty mph winds brought many tree limbs down.
Lyman County								
4 S Kennebec	18	0100CST			0	0		Hail (1.25)
Hand County								
Miller	18	0135CST			0	0		Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>SOUTH DAKOTA, Central and North</u>							
Buffalo County							
15 NE Ft Thompson	18	0145CST			0	0	Hail (0.88)
Buffalo County							
15 NE Ft Thompson	18	0415CST			0	0	Hail (0.75)
Corson County							
20 S Keldron	18	0530CST			0	0	Hail (1.00)
Spink County							
Conde	18	1542CST			0	0	Hail (0.75)
Dewey County							
5 S Isabel	23	1835CST			0	0	Hail (0.75)
Corson County							
24 S Mc Intosh	23	1845CST			0	0	Hail (0.75)
Walworth County							
7 W Selby	26	1220CST			0	0	Hail (1.75)
Walworth County							
Java	26	1235CST			0	0	Hail (0.88)
Campbell County							
8 SW Mound City	26	1250CST			0	0	Hail (1.25)
Jones County							
12 N Draper	29	1525CST			0	0	Hail (0.75)
Jones County							
1 NW Draper	29	1540CST			0	0	Hail (1.25)
Jones County							
4 SE Murdo	29	1605CST			0	0	Hail (1.50)
Jones County							
5 SE Murdo	29	1610CST			0	0	Hail (1.75)
Jones County							
5 SE Murdo	29	1610CST			0	0	Thunderstorm Wind (G52)
Hughes County							
Pierre	29	1617CST			0	0	Hail (0.75)
Hughes County							
7 SE Blunt	29	1650CST			0	0	Hail (1.00)
Clark County							
8 SW Clark	29	1755CST			0	0	Hail (0.75)
Hyde County							
7 SW Holabird	29	1805CST			0	0	Hail (0.75)
Hand County							
Ree Hgts	29	1810CST			0	0	Hail (0.75)
Hamlin County							
8 SE Hayti	29	1840CST			0	0	Hail (0.75)
<u>SOUTH DAKOTA, Southeast</u>							
Gregory County							
1 W Dallas	06	1350CST			0	0	Hail (0.75)
Gregory County							
2 SW Gregory	06	1406CST			0	0	Hail (0.75)
Gregory County							
2 S Gregory	06	1410CST			0	0	Hail (1.00)
Brookings County							
3 NW White	06	2025CST			0	0	Thunderstorm Wind (G52)
Charles Mix County							
6 W Platte	09	2105CST			0	0	20K Thunderstorm Wind (G61)
Thunderstorm winds caused damage at a farm. Two grain bins were blown over, and one of them was moved a half mile. A calf shelter was destroyed, a livestock trailer and auger were overturned, and there was tree damage.							
Brule County							
8 S Kimball	09	2126CST			0	0	Tornado (F0)
A brief tornado caused no reported damage.							

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage	Property	Crops	Character of Storm
<u>SOUTH DAKOTA, Southeast</u>									
Brule County									
Kimball	09	2130CST			0	0			Thunderstorm Wind (G52)
Aurora County									
Plankinton	09	2155CST			0	0			Thunderstorm Wind (G61)
Beadle County									
(Hon)Huron Arpt	09	2215CST			0	0			Thunderstorm Wind (G61) ^M
Beadle County									
2 S Huron	09	2218CST			0	0			Hail (0.75)
Sanborn County									
Woonsocket	09	2230CST			0	0	5K		Thunderstorm Wind (G52)
Thunderstorm winds blew down trees, limbs, and branches. A large tree destroyed a storage building and damaged a nearby garage when it fell.									
Miner County									
2 SW Carthage	09	2240CST			0	0			Tornado (F0)
A brief tornado caused no damage, according to the spotter who viewed it.									
Miner County									
Carthage	09	2245CST			0	0	80K		Thunderstorm Wind (G52)
Thunderstorm winds blew down trees, limbs, and branches. One large limb fell onto a power line, causing a fire which destroyed a building housing a post office, food pantry, and apartment.									
Kingsbury County									
Oldham	09	2258CST			0	0	5K		Thunderstorm Wind (G52)
Thunderstorm winds blew down six to eight inch diameter tree limbs. Some of the limbs fell on garages and trucks, and knocked down at least one television antenna. A power outage was also caused by debris falling on power lines.									
Mccook County									
1 E Spencer	09	2258CST			0	0			Tornado (F0)
A brief tornado caused no reported damage.									
Mccook County									
Salem to 5 E Salem	09	2300CST 2315CST			0	0	50K		Thunderstorm Wind (G61)
Thunderstorm winds caused damage at several farms, including a barn blown down, farm equipment damaged, and widespread tree damage.									
Mccook County									
3 W Montrose	09	2314CST			0	0			Tornado (F0)
A brief tornado caused no reported damage.									
Lake County									
Madison	09	2305CST 2315CST			0	0			Thunderstorm Wind (G61)
Thunderstorm winds caused tree damage.									
Lake County									
4 NW Ramona	09	2305CST			0	0	20K		Thunderstorm Wind (G61)
Thunderstorm winds caused damage to trees and a house. Eight to twelve inch diameter tree limbs were broken off.									
Lake County									
2 S Winfred	09	2305CST			0	0			Thunderstorm Wind (G61)
Lake County									
Nunda	09	2315CST			0	0			Thunderstorm Wind (G61)
Thunderstorm winds caused tree damage, including 10 to 12 inch diameter limbs blown down.									
Brookings County									
Brookings	09	2330CST			0	0			Thunderstorm Wind (G52)
Thunderstorm winds caused tree damage, including large branches blown down.									
Brookings County									
4 W White	09	2330CST			0	0	30K		Thunderstorm Wind (G52)
Thunderstorm winds blew down power poles and caused tree damage. The winds also caused damage to farm buildings and equipment and twisted road signs.									
Brookings County									
5 S Volga	09	2340CST			0	0			Tornado (F0)
A brief tornado caused no reported damage.									
Turner County									
Marion	09	2332CST			0	0			Hail (0.88)

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated		June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Property	Crops	Character of Storm
<u>SOUTH DAKOTA, Southeast</u>								
Turner County								
Hurley	09	2340CST			0	0		Thunderstorm Wind (G52)
Thunderstorm winds caused tree damage. The amount of damage was not known.								
Minnehaha County								
Hartford	09	2336CST			0	0		Hail (0.75)
Minnehaha County								
Sioux Falls	09	2340CST 2343CST			0	0		Thunderstorm Wind (G52)
Minnehaha County								
Sioux Falls	09	2349CST			0	0		Thunderstorm Wind (G57)
Lincoln County								
Sioux Falls	09	2350CST 2356CST			0	0		Hail (0.88)
Minnehaha County								
Sioux Falls	09	2350CST			0	0		Hail (0.88)
Minnehaha County								
3 SW Garretson	09	2356CST			0	0		Hail (1.00)
Minnehaha County								
Garretson	09	2356CST 2359CST			0	0		Hail (0.88)
Minnehaha County								
3 SW Garretson	09	2356CST			0	0		Thunderstorm Wind (G61)
Minnehaha County								
3 SW Garretson	10	0001CST			0	0		Hail (1.75)
Moody County								
1 NE Flandreau	09	2342CST			0	0		Thunderstorm Wind (G52)
Union County								
3 E Alcester to 5 E Alcester	10	0035CST 0040CST			0	0		Hail (0.75)
Minnehaha County								
1 S Brandon	12	1726CST			0	0		Hail (0.75)
Minnehaha County								
Dell Rapids	12	1727CST			0	0		Hail (0.88)
Minnehaha County								
Colton	12	1734CST			0	0		Hail (0.75)
Lincoln County								
6 S Tea	12	1740CST			0	0		Hail (0.75)
Minnehaha County								
Crooks	12	1754CST			0	0		Hail (1.00)
Minnehaha County								
1 E Hartford	12	1755CST			0	0		Hail (1.75)
Minnehaha County								
Crooks	12	1757CST			0	0		Hail (1.00)
Minnehaha County								
Sioux Falls	12	1758CST			0	0		Hail (1.00)
Minnehaha County								
Sioux Falls	12	1800CST			0	0	100K	Thunderstorm Wind (G69)
Thunderstorm winds caused tree and power line damage. One large tree severely damaged a moving car when it was blown over.								
Minnehaha County								
Sioux Falls	12	1801CST			0	0		Hail (0.88)
Minnehaha County								
Sioux Falls	12	1801CST			0	0	2M	Hail (1.75)
Minnehaha County								
Sioux Falls	12	1802CST			0	0		Hail (1.25)
Minnehaha County								
Sioux Falls	12	1802CST			0	0	2M	Hail (1.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>SOUTH DAKOTA, Southeast</u>							
Minnehaha County							
Sioux Falls	12	1803CST			0	0	Hail (1.25)
Minnehaha County							
Sioux Falls	12	1805CST			0	0	Hail (0.75)
Minnehaha County							
Sioux Falls	12	1805CST			0	0	2M Hail (1.75)
Minnehaha County							
(Fsd)Joe Foss Fld Si	12	1806CST			0	0	Hail (1.25)
Minnehaha County							
Sioux Falls	12	1811CST			0	0	2M Hail (1.75)
Minnehaha County							
2 W Garretson	12	1812CST			0	0	Tornado (F0)
A brief tornado caused no reported damage or injuries.							
Minnehaha County							
Sioux Falls	12	1813CST			0	0	2M Hail (2.50)
Lincoln County							
Sioux Falls	12	1820CST 1832CST			0	0	2M Hail (1.75)
Minnehaha County							
Sioux Falls	12	1820CST			0	0	Hail (1.00)
Minnehaha County							
Sioux Falls	12	1823CST			0	0	2M Hail (1.75)
Lincoln County							
Sioux Falls	12	1824CST			0	0	2M Hail (1.75)
Minnehaha County							
Sioux Falls	12	1825CST 1830CST			0	0	2M Hail (2.75)
Minnehaha County							
1 NE Sioux Falls	12	1829CST			0	0	Hail (0.88)
Lincoln County							
Sioux Falls	12	1831CST			0	0	10K Thunderstorm Wind (G69)
Thunderstorm winds caused tree damage, including a healthy 8 inch diameter tree blown down.							
Minnehaha County							
1 S Brandon	12	1833CST			0	0	Hail (1.75)
Minnehaha County							
Sioux Falls	12	1835CST			0	0	2M Hail (1.75)
Large hail severely damaged vehicles and also broke windows and damaged siding in some buildings. The hail was reported at several places around the city, but the damage was greatest in the southeast part of Sioux Falls. One insurance company expected about three thousand claims from vehicle owners.							
Minnehaha County							
Sioux Falls	12	1841CST			0	0	Tornado (F0)
A tornado blew down trees.							
Minnehaha County							
2 SW Valley Spgs	12	1859CST			0	0	Hail (1.75)
Large hail damaged vehicles and windows in some buildings. The amount of damage was not known.							
Minnehaha County							
Valley Spgs to Dell Rapids	12 13	1800CST 0200CST			0	0	5M Flash Flood
Flash flooding of streams, roads, lowlands, homes, and other buildings was especially severe in the Valley Springs area. Most of the town was flooded, with widespread damage to basements and first floors of homes. The flooding left a layer of mud over much of the town. The sewer system backed up, leaving sewage in several houses and apartments.. A mobile home park was hard hit, with damage to the mobile home structures as well as the contents. Flooding and debris left some roads in the area closed for three days. Vehicles were damaged. The flooding in Valley Springs was caused by four to seven inches of rain falling in one to two hours. Damage outside the Valley Springs area was less severe, but stream and lowland flooding caused damage, especially in the Dell Rapids area. The Rocky Run Creek flooded a local golf course. The flooding damaged crops as well as property, but the amount of crop damage was not known.							
Hanson County							
7 SW Emery	12	1915CST			0	0	Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>SOUTH DAKOTA, Southeast</u>							
Sanborn County							
Forestburg to 5 NE Forestburg	12	1918CST 1925CST			0 0	10K	Hail (1.75)
Large hail broke windows in Forestburg, and caused an unknown amount of crop damage in nearby fields.							
Hutchinson County							
4 NW Clayton to 3 NW Clayton	12	1927CST 1930CST			0 0		Tornado (F0)
A tornado reported by law enforcement personnel caused no reported damage.							
Mccook County							
Bridgewater	12	1935CST			0 0		Hail (1.75)
Miner County							
2 N Fedora	12	1945CST			0 0		Thunderstorm Wind (G52)
Mccook County							
3 SE Bridgewater	12	2002CST 2034CST			0 0		Tornado (F0)
A brief tornado caused no reported damage or injuries.							
Mccook County							
Stanley Corner	12	2030CST			0 0		Thunderstorm Wind (G52)
Mccook County							
Stanley Corner	12	2034CST			0 0		Tornado (F0)
A brief tornado caused no reported damage.							
Minnehaha County							
1 S Valley Spgs	12	2044CST			0 0		Thunderstorm Wind (G57)
Kingsbury County							
Iroquois	12	2050CST			0 0		Hail (1.00)
Miner County							
6 E Howard	12	2100CST			0 0		Thunderstorm Wind (G61)
Thunderstorm winds blew an 8 by 10 foot metal shed into nearby trees.							
Minnehaha County							
Hartford	12	2115CST			0 0		Hail (0.88)
Minnehaha County							
6 S Hartford	12	2119CST			0 0		Tornado (F0)
A brief tornado caused no reported damage or injuries.							
Minnehaha County							
Crooks	12	2128CST			0 0		Hail (0.75)
Minnehaha County							
Sioux Falls	12	2150CST			0 0		Thunderstorm Wind (G65) ^M
Minnehaha County							
2 W Sioux Falls	12	2156CST			0 0	10K	Thunderstorm Wind (G61)
Thunderstorm winds destroyed a barn.							
Minnehaha County							
Sioux Falls	12	2202CST			0 0		Thunderstorm Wind (G69)
Minnehaha County							
Sioux Falls	12	2202CST			0 0		Thunderstorm Wind (G61)
Kingsbury County							
Arlington	12	2115CST			0 0	10K	Thunderstorm Wind (G52)
Thunderstorm winds caused tree damage, breaking limbs of all sizes off trees. One tree was knocked into an electrical wire, causing a power outage which lasted several hours.							
Miner County							
Howard to 6 E Howard	12	2120CST 2142CST			0 0		Thunderstorm Wind (G61)
Thunderstorm winds caused widespread tree damage. mostly branches down.							
Kingsbury County							
Oldham	12	2156CST			0 0	20K	Thunderstorm Wind (G61)
Thunderstorm winds blew down numerous trees.							
Miner County							
2 E Canova	12	2220CST			0 0		Thunderstorm Wind (G61)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>SOUTH DAKOTA, Southeast</u>							
Lake County							
5 N Madison	12	2235CST			0 0		Thunderstorm Wind (G52)
Thunderstorm winds caused tree damage and brought down power lines in a rural area.							
Lake County							
Madison	12	2256CST			0 0		Hail (0.75)
Lake County							
Rutland	12	2300CST			0 0		Thunderstorm Wind (G52)
Thunderstorm winds blew down at least one tree and numerous branches.							
Moody County							
10 N Colman	12	2252CST			0 0		Hail (0.75)
Moody County							
10 N Colman	12	2252CST			0 0	30K	Thunderstorm Wind (G61)
Thunderstorm winds caused tree damage, and blew electrical poles over to a 45 degree angle.							
Moody County							
Flandreau	12	2315CST			0 0		Thunderstorm Wind (G61)
Thunderstorm winds caused tree damage, including one large willow tree uprooted.							
Moody County							
Flandreau	12	2320CST			0 0		Hail (0.75)
Minnehaha County							
Colton	12	2256CST			0 0		Thunderstorm Wind (G52)
Minnehaha County							
Crooks	12	2339CST			0 0		Hail (0.88)
Moody County							
Flandreau	13	0001CST 0200CST			0 0		Flash Flood
Heavy rain caused flash flooding of small streams and low areas, including several roads in Flandreau.							
Minnehaha County							
Garretson	13	0010CST			0 0		Thunderstorm Wind (G52)
Brule County							
Chamberlain	13	0028CST			0 0		Hail (0.75)
Brule County							
Chamberlain	13	0031CST			0 0		Hail (0.75)
Brule County							
Chamberlain	13	0114CST			0 0		Hail (1.75)
Beadle County							
Huron	13	0240CST 0500CST			0 0		Flash Flood
Flash flooding, caused by thunderstorm rains of around four inches, occurred in small streams and low areas. Several roads in the Huron area were flooded, as were Riverside park, Memorial Golf Course, and a swimming pool pump house.							
Davison County							
2 NW Mitchell	13	0455CST			0 0		Hail (1.75)
Miner County							
4 NE Canova	13	0538CST			0 0		Thunderstorm Wind (G52)
Miner County							
6 E Howard	13	0545CST			0 0		Hail (0.88)
Lake County							
2 SE Winfred	13	0553CST			0 0		Hail (0.75)
Lake County							
2 E Madison	13	0600CST			0 0	20K	Thunderstorm Wind (G61)
Thunderstorm winds uprooted a large tree, which fell on the roof of a garage and crashed into a window of the attached home.							
Lake County							
Madison	13	0600CST			0 0		Thunderstorm Wind (G52)
Lake County							
Rutland	13	0620CST			0 0		Hail (0.75)
Lake County							
Nunda	13	0630CST			0 0		Hail (1.75)
Large hail caused crop damage. The amount of damage was not known, but much of the damaged crops were expected to recover.							

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>SOUTH DAKOTA, Southeast</u>							
Moody County							
12 NW Flandreau	13	0625CST			0	0	Hail (0.75)
Brookings County							
Brookings	13	0634CST			0	0	Hail (1.75)
Brookings County							
Brookings	13	0648CST			0	0	Hail (1.00)
Minnehaha County							
Lyons	13	0640CST			0	0	Hail (0.75)
Mccook County							
3 NE Center	13	0644CST			0	0	Thunderstorm Wind (G52)
Brookings County							
8 NE Bruce	13	1502CST			0	0	Hail (0.88)
Kingsbury County							
Lake Preston	13	1700CST			0	0	Thunderstorm Wind (G61)
Thunderstorm winds blew down trees two feet in diameter, and caused other tree damage.							
Moody County							
2 E Colman	13	1700CST			0	0	Hail (0.75)
Moody County							
5 W Flandreau	13	1722CST			0	0	Hail (1.00)
Brookings County							
Elkton	13	1744CST			0	0	Hail (0.75)
Lincoln County							
6 W Hudson	13	1809CST			0	0	Hail (0.88)
Lincoln County							
9 W Hudson	13	1809CST			0	0	Hail (0.88)
Lincoln County							
1 NW Fairview	13	1833CST			0	0	Hail (1.75)
Union County							
1 SE Elk Pt	13	1835CST			0	0	Hail (1.00)
Union County							
North Sioux City	13	1905CST			0	0	Hail (0.88)
Minnehaha County							
Garretson	13	1955CST			0	0	Hail (1.00)
Moody County							
4 E Trent	13	1955CST			0	0	Hail (0.75)
Moody County							
2 N Ward	13	2007CST			0	0	Hail (0.75)
Minnehaha County							
Garretson	13	2035CST			0	0	Hail (1.00)
Jerauld County							
6 N Wessington Spgs	14	1652CST			0	0	Hail (0.75)
Beadle County							
7 SE Virgil	14	1708CST			0	0	Hail (0.75)
Beadle County							
8 SE Huron	14	1729CST			0	0	Hail (0.75)
Beadle County							
6 E Yale	15	1530CST			0	0	Hail (0.75)
Kingsbury County							
2 S Osceola	15	1530CST			0	0	Hail (1.00)
Lake County							
3 E Rutland	15	1730CST			0	0	Hail (0.75)
Lake County							
3 E Rutland	15	1730CST			0	0	Thunderstorm Wind (G52)
Moody County							
10 N Colman	15	1736CST			0	0	Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>SOUTH DAKOTA, Southeast</u>								
Beadle County								
5 NW Wolsey	18	0200CST			0	0		Hail (0.88)
Beadle County								
2 W Broadland	18	0230CST			0	0		Hail (0.75)
Miner County								
15 E Carthage	18	0340CST			0	0		Hail (0.75)
Lake County								
7 NW Ramona to Nunda	18	0340CST 0355CST			0	0		Hail (1.00)
Large hail caused crop damage. The amount of damage was not known, as it was expected that much of the damaged corn would recover. Most of the crop damage was observed in the Nunda area.								
Kingsbury County								
3 NE Oldham	18	0350CST			0	0		Hail (1.75)
Large hail caused crop damage. The amount of crop damage was not known.								
Brookings County								
10 SW Brookings to 10 N Elkton	18	0400CST 0430CST			0	0	2M 4M	Hail (1.75)
Large hail falling over an area 20 miles long and almost 5 miles wide caused property and crop damage. The hail damaged siding and windows of homes as well as vehicles. An estimated 60,000 acres of crops were destroyed or damaged. Hail was discovered piled up 6 inches deep in some fields 6 hours after the storm. The affected area included the city of Brookings, where some of the largest hail was reported.								
Jerauld County								
8 N Wessington Spgs	29	1802CST			0	0		Hail (0.88)
Kingsbury County								
5 N De Smet	29	1928CST			0	0		Hail (0.88)
<u>SOUTH DAKOTA, West</u>								
SDZ014			Ziebach					
	03	1522MST			0	0		High Wind (G58) M
A cooperative observer measured a non-thunderstorm wind gust 13 miles west of Cherry Creek.								
Tripp County								
14 NE Winner	06	1151MST 1152MST			0	0	0	Tornado (F0)
A tornado was on the ground for one minute, but caused no damage.								
Tripp County								
7 NW Winner	06	1202MST 1203MST			0	0	5K	Tornado (F1)
A tornado touched down for "about a minute", reported the law enforcement officer who witnessed it. The storm tore the metal roof off a 90 foot hog barn and blew down two old sheds. Two trees, about a foot in diameter, were uprooted.								
Tripp County								
Winner	06	1215MST			0	0	0	Hail (0.88)
Tripp County								
Colome	06	1225MST			0	0	0	Hail (0.75)
Lawrence County								
8 W Spearfish	08	0910MST 0915MST			0	0	0	Hail (0.75)
Shannon County								
5 N Pine Ridge	09	0030MST 0100MST			1	1	1K	Lightning
Two teenagers on horseback encountered a thunderstorm as they were traveling from Pine Ridge to Manderson. One rider told authorities he was knocked unconscious after seeing a bright flash of light. When he awoke, he found his riding partner on the ground, not breathing or moving. One fatality (direct) and one injury occurred from lightning. The horse was also killed. M17OU								
Shannon County								
1 N Pine Ridge	09	0145MST			0	0		Hail (1.75)
Pennington County								
4 SW Rapid City to 3 SW Rapid City	09	1605MST 1610MST			0	0		Hail (2.75)
Pennington County								
4 SE Rapid City	09	1613MST			0	0		Hail (0.75)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>SOUTH DAKOTA, West</u>									
Pennington County									
Rapid City Arpt	09	1630MST			0	0		Hail (0.75)	
Pennington County									
(Rap)Rapid City Arpt	09	1649MST			0	0		Thunderstorm Wind (G69)	M
Pennington County									
Rapid City	09	1650MST			0	0		Hail (0.75)	
Two severe thunderstorms moved over nearly the same area within 45 minutes of each other. The first moved across the south side of Rapid City, producing golfball to baseball sized hail and 69 mph wind gusts. The second storm moved across the north side of Rapid City, originating southeast of Black Hawk in Meade County and moving along the Meade/Pennington County line. This second storm produced large hail.									
Pennington County									
2 NE Owanka	09	1710MST			0	0		Hail (0.88)	
Custer County									
Hermosa to	09	1711MST			0	0		Thunderstorm Wind (G75)	
14 E Hermosa		1715MST							
75 mph thundestorm wind gusts were estimated by a spotter in Hermosa and a cooperative observer 14 miles east of Hermosa about four minutes later.									
Custer County									
12 E Hermosa	09	1722MST			0	0		Hail (0.75)	
Pennington County									
Scenic	09	1735MST 1740MST			0	0		Hail (0.75)	
Pennington County									
Scenic	09	1735MST			0	0		Thunderstorm Wind (G65)	
Shannon County									
5 N Kyle	09	1740MST			0	0		Thunderstorm Wind (G60)	
Jackson County									
Cottonwood	09	1745MST			0	0		Thunderstorm Wind (G70)	
A storm chaser estimated 70 mph winds from a thunderstorm gust front as he was driving 65 mph.									
Jackson County									
Cedar Pass	09	1745MST			0	1		Thunderstorm Wind (G58)	M
A person at the Badlands National Park Cedar Pass Campground was injured when a table broke and hit him in the head. Time of the wind was estimated from the RAWS observation.									
Jackson County									
4 SE Interior	09	1750MST			0	0		Thunderstorm Wind (G65)	
Shannon County									
4 NE Porcupine	09	1750MST			0	0		Thunderstorm Wind (G65)	M
A RAWS measured a 65 mph thunderstorm wind gust. Time is estimated.									
Haakon County									
Philip to Philip Arpt	09	1755MST 1800MST			0	0	3M	Thunderstorm Wind (G70)	
Strong winds hit the Philip area. A large grain bin was moved about 15 feet off its foundation and buckled. Part of the elementary school's roof was torn off. On the north side of town, three grain bins were rolled down a hill. The town had extensive tree damage; many streets were blocked by the downed trees and branches. The emergency manager estimated that 70 percent of the houses in town would have to be reshingled. At the airport three miles east of town, part of a hangar collapsed and fell on an airplane. The power went out before the storm reached the airport, so no wind data was available from the ASOS. The sheriff commented that the wind felt stronger than winds measured at 83 mph during a storm a couple of years ago.									
Jackson County									
Wanblee	09	1800MST			0	2	382.5K	Thunderstorm Wind	
A microburst from a thunderstorm produced damaging winds in Wanblee. Nine homes were destroyed. The roofs of seven homes were blown off with major damage to structural walls in other homes. Two persons were treated for injuries at a hospital. One injury (direct) occurred when a door hit a woman during the storm. The cause and extent of the injury to the other person is not known.									
Jackson County									
Kadoka	09	1805MST 1815MST			0	0		Thunderstorm Wind (G80)	
A law enforcement officer estimated a 75 mph wind gust at 605 pm and an 80 mph gust 10 minutes later.									
Mellette County									
White River	09	1845MST			0	0		Thunderstorm Wind (G70)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>SOUTH DAKOTA, West</u>							
Todd County							
2 SW Parmelee	09	1858MST			0	0	Thunderstorm Wind (G60)
Tripp County							
Winner	09	2007MST			0	0	Hail (0.75)
Lawrence County							
8 S Deadwood	12	0935MST			0	0	Hail (0.75)
Lawrence County							
4 S Deadwood	12	0945MST			0	0	Hail (0.75)
Fall River County							
10 W Edgemont	12	1545MST			0	0	Funnel Cloud
Fall River County							
15 SW Provo	12	1550MST 1555MST			0	0	Hail (1.00)
Fall River County							
15 SW Provo	12	1550MST			0	0	Tornado (F0)
Fall River County							
10 S Provo	12	1605MST			0	0	Tornado (F0)
A tornado developed southwest of Provo along with quarter sized hail. The storm was next spotted by an off duty NWS employee who observed the tornado south of Provo.							
Meade County							
Piedmont	12	1634MST 1644MST			0	0	Hail (0.75)
Fall River County							
15 E Ardmore	12	1705MST			0	0	Tornado (F0)
A funnel cloud was observed over Ardmore, several minutes later as the parent thunderstorm was about 15 miles east of Ardmore, a brief tornado formed. This tornado was described as large (wide) and was observed from 15 miles away.							
Fall River County							
Oelrichs	12	1715MST 1725MST			0	0	Hail (2.50)
Fall River County							
3 S Oelrichs	12	1725MST 1735MST			0	0	Hail (4.50)
Shannon County							
13 W Oglala	12	1744MST 1754MST			0	0	Hail (1.00)
Shannon County							
13 W Oglala	12	1744MST			0	0	Thunderstorm Wind (G60)
Shannon County							
Slim Butte	12	1810MST			0	0	Tornado (F0)
Brief tornado reported by public.							
Shannon County							
Pine Ridge	12	1845MST			0	0	Hail (1.75)
Shannon County							
10 W Kyle	12	1900MST			0	0	Thunderstorm Wind (G60)
Thunderstorms winds "strong enough to knock people over" were reported at Sharps Corner.							
Pennington County							
12 N Wall	12	1930MST			0	0	Thunderstorm Wind (G58)
Several tree limbs were blown down.							
Bennett County							
5 W Martin	12	2100MST			0	0	Hail (0.88)
Todd County							
Rosebud	12	2130MST			0	0	Hail (0.88)
Todd County							
2 N Mission	12	2150MST			0	0	Hail (1.00)
50 mph winds accompanied the hail.							
Todd County							
7 SW St Francis	12	2210MST			0	0	Hail (1.75)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>SOUTH DAKOTA, West</u>									
Todd County									
St Francis	12	2230MST			0	0		Hail (1.75)	
Todd County									
7 NE Rosebud to 15 NE Rosebud	12	2200MST 2230MST			0	0		Hail (0.75)	
22 houses had windows broken by the hail; seven houses were badly damaged.									
Tripp County									
Ideal	12	2307MST			0	0		Hail (0.75)	
Tripp County									
Ideal	13	0005MST			0	0		Thunderstorm Wind (G52)	M
Jackson County									
Potato Creek	14	1055MST 1105MST			0	0	0	Hail (0.88)	
A severe thunderstorm produced dime to nickle sized hail.									
Perkins County									
9 SW Prairie City	17	0500MST			0	0	0	Hail (1.75)	
Ziebach County									
Dupree	17	0705MST			0	0	0	Hail (1.75)	
Ziebach County									
23 SE Dupree	17	0745MST			0	0	0	Hail (1.75)	
An isolated severe thunderstorm moved from southeastern Montana across northwestern South Dakota just after sunrise. The thunderstorm produced small hail as it moved over northwest South Dakota. then intensified and produced large hail.									
Jackson County									
Belvidere to 8 NE Belvidere	17	2215MST 2230MST			0	0	0	Hail (0.75)	
Harding County									
Ludlow	18	0315MST			0	0	0	Thunderstorm Wind (G60)	M
Perkins County									
Lemmon to .5 S Lemmon	18	0420MST			0	0	0	Hail (2.00)	
One inch hail was reported in the town of Lemmon, with two inch hail just south of town.									
Pennington County									
Sheridan	24	1545MST			1	2		Lightning	
Nine people were standing on the beach and in the water at Sheridan Lake when lightning hit the beach. Six of the people including one who was in water were dazed and confused. Two injuries (direct), a one year old child and a teen-age girl, were treated at a hospital. The child was in critical condition for a couple days. One fatality (direct) was an adult woman, the child's grandmother. F39OU									
Perkins County									
White Butte	25	0005MST			0	0	0	Hail (1.50)	
Lawrence County									
8 W Spearfish	25 28	2000MST 1900MST			0	0	0	Wild/Forest Fire	
Lightning ignited fires on Bowman Ridge and Crow Peak in Western Lawrence county, near the Wyoming/South Dakota border the evening of June 25. By the morning of the 28th of June, the fire was contained after consuming 30 acres. Three, 20-person fire crews assisted the Bear Ridge Volunteer Fire Dept with the fire. Additionally, a helicopter and tanker plane assisted with several drops of slurry (a flame retardant mix).									
Butte County									
Newell	27	1315MST			0	0	3K	Thunderstorm Wind (G60)	
Strong winds blew the roof off a garage. The "crows nest" observation tower at high school football stadium was also blown over.									
Harding County									
11 NE Redig	27	1345MST			0	0	3K	Thunderstorm Wind (G60)	
A workshop collapsed during a thunderstorm.									
Pennington County									
10 SW Hill City to 9 SW Hill City	29	1255MST 1258MST			0	0	0	Hail (1.25)	
Todd County									
Mission	29	1624MST 1634MST			0	0	0	Hail (0.75)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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SOUTH DAKOTA, West

Todd County

14 S Mission	29	1645MST 1655MST			0	0	0	Hail (0.88)
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Todd County

22 S Mission	29	1700MST 1710MST			0	0	0	Hail (1.00)
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A severe thunderstorm moved across Todd County with 3/4 inch to 1 inch hail.

Lawrence County

5 W Spearfish	30	0443MST			0	0		Thunderstorm Wind (G58) ^M
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A storm spotter measured a 58 mph wind gust during an early morning thunderstorm.

Pennington County

13 W Rapid City	30	1425MST 1435MST			0	0	0	Hail (1.00)
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Pennington County

2 NE Silver City	30	1435MST 1445MST			0	0		Hail (0.75)
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Pennington County

3 N Sheridan	30	1440MST 1450MST			0	0		Hail (1.25)
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Pennington County

Sheridan	30	1500MST 1510MST			0	0	0	Hail (1.75)
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Pennington County

Hill City	30	1529MST 1530MST			0	0	0	Hail (1.00)
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Pennington County

Hill City	30	1529MST			0	0	0	Thunderstorm Wind (G70) ^M
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Pennington County

2 W Keystone	30	1530MST 1540MST			0	0		Hail (1.00)
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Pennington County

3 S Hill City to 4 S Hill City	30	1532MST 1555MST			0	0		Hail (1.75)
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Custer County

6 NNE Custer	30	1548MST 1558MST			0	0	0	Hail (1.75)
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Custer County

2 N Blue Bell	30	1550MST 1600MST			0	0	0	Hail (1.75)
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Pennington County

5 S Hill City to 6 S Hill City	30	1605MST 1610MST			0	0	0	Hail (2.75)
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Custer County

Blue Bell	30	1637MST 1647MST			0	0		Hail (0.75)
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A severe thunderstorm developed over the central Black Hills. It dropped large hail as it moved across Pactola Reservoir, Sheridan Lake, Hill City, Mt. Rushmore, and Custer State Park. The hail did extensive damage to buildings, windows, roofs, and vehicles.

Lawrence County

Cheyenne Crossing	30	1833MST 1835MST			0	0	0	Hail (0.75)
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Pennington County

4 NW Rapid City	30	1850MST 1900MST			0	0	0	Hail (1.50)
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One to 1.5 inch hail was reported at the Windmill Truckstop in northwestern Rapid City.

TENNESSEE, Central

Fentress County

3.6 S Allardt	02	1616CST			0	0		Thunderstorm Wind (G65)
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Newspaper article related story of trees uprooted at the Odell Rogers farm on the Banner to Tinch Road in the southern part of the county. Some shingle were blown off the Rogers' residence as well as some metal roofing from an outbuilding.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>TENNESSEE, Central</u>							
Maury County							
Spring Hill	03	0906CST			0	0	Hail (0.75)
							Dime size hail reported.
Lewis County							
Napier	03	1100CST			0	0	Thunderstorm Wind (G50)
							Highway department reported trees down near the Napier Lake area.
Houston County							
Tennessee Ridge to Erin	03	1550CST			0	0	Thunderstorm Wind (G50)
							Amateur radio report of trees and power lines down from Tennessee Ridge to Erin.
Davidson County							
Nashville	03	1700CST			0	0	Thunderstorm Wind (G50)
							Office of Emergency Management reported trees and power lines down across the southern and western part of the county.
Coffee County							
5 NW Summitville	04	1505CST			0	0	Hail (0.75)
							Public reported dime size hail.
Wayne County							
Collinwood	04	1700CST			0	0	Thunderstorm Wind (G50)
							Numerous trees down from Sucker Creek to Cooper Ridge and Middle Butler Creek Rd.
Giles County							
Stella to Prospect	04	1715CST			0	0	Thunderstorm Wind (G50)
							Trees down between Stella and Prospect.
Lawrence County							
Appleton	04	1730CST			0	0	Thunderstorm Wind (G50)
							Several trees down.
Lincoln County							
Flintville	04	1730CST			0	0	Thunderstorm Wind (G50)
							Trees down on Pendergrass Rd.
Franklin County							
2 S Alto	04	1745CST			0	0	Hail (0.75)
							Dime size hail reported.
Lawrence County							
2 E Loretto	04	1745CST			0	0	Thunderstorm Wind (G50)
							Spotter reported a large tree down.
Giles County							
Ardmore	04	1800CST			0	0	Thunderstorm Wind (G50)
							2 trees were blown down.
Lawrence County							
2 SE Five Pts	04	1800CST			0	0	Thunderstorm Wind (G50)
							Highway department reported trees down on Hollow Rd.
Wayne County							
9 SE Collinwood	04	1800CST			0	0	Hail (0.75)
							Dime size hail reported.
Wayne County							
Cypress Inn	04	1800CST			0	0	Thunderstorm Wind (G50)
							Trees down of Highway 13 east of Cypress Inn.
Franklin County							
1 N Cowan	04	1810CST			0	0	Thunderstorm Wind (G50)
							Trees down on Grady Williams Rd.
Lincoln County							
Fayetteville	04	1815CST			0	0	Thunderstorm Wind (G50)
							Large limbs and 2 trees down just west of Fayetteville.
Franklin County							
Countywide	04	1945CST 2345CST			0	0	Flash Flood
							EMA reported flash flooding around the county. Mudslide occurred at the foot of Sewanee Mountain on U.S. Highway 41A.
Lawrence County							
10 E Loretto	04	1705CST			0	0	Thunderstorm Wind (G61)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
TENNESSEE, Central								
								70 mph wind gust was estimated by spotter
Lincoln County								
Kelso	04	1710CST			0	0		Thunderstorm Wind (G50)
								Law enforcement reported a tree down on U.S. Highway 64.
Giles County								
6 W Pulaski	04	1725CST			0	0		Thunderstorm Wind (G50)
								Law enforcement reported a tree down on U.S. Highway 64.
Lawrence County								
5 E Lawrenceburg	04	1725CST			0	0		Hail (0.75)
								Spotter reported dime size hail.
Lawrence County								
10 W Lawrenceburg	04	1744CST			0	0		Thunderstorm Wind (G52)
								Spotter reported gust to 60 mph. Also, small trees were down at Deerfield.
Franklin County								
St Andrews	04	1800CST			0	0		Thunderstorm Wind (G52)
								Police department reported 60 mph wind gust.
Franklin County								
1 E Decherd	04	1816CST			0	0		Hail (0.75)
								Police department reported dime size hail.
TNZ006-008>009-024>028-057-059-062								Montgomery - Sumner - Macon - Humphreys - Dickson - Cheatham - Davidson - Wilson - Hickman - Williamson - Rutherford
	04	1912CST			0	0		High Wind (G52)
		2005CST						
								Trees and power lines were down around the county.
								A decaying area of thunderstorms from Northern Alabama was entering the southern part of Middle Tennessee Monday evening. As a result a strong gust front developed ahead of this area of dissipating thunderstorms. Winds were estimated to be 40 mph with brief occasional gusts to 60 mph along this gust front. No thunderstorms were associated with these winds. Trees and power lines were blown down across several counties in Middle Tennessee. This gust front weakened as it entered southern Kentucky.
Davidson County								
Nashville	06	1415CST			0	0		Thunderstorm Wind (G50)
								Davidson county Office of Emergency Management reported trees and power lines down in west Nashville. Urban street flooding was also reported.
Jackson County								
1 N Gainesboro	06	1635CST			0	0		Thunderstorm Wind (G50)
								Law enforcement reported large tree limbs blown off trees in the city.
Williamson County								
Franklin	14	1200CST			0	0		Thunderstorm Wind (G50)
								Public report of numerous trees down.
Robertson County								
Coopertown	15	1315CST			0	0		Thunderstorm Wind (G55)
								Trees were blown down near Coopertown.
Davidson County								
Nashville	15	1325CST			0	0		Thunderstorm Wind (G55)
		1330CST						
								Trees and power lines were down around Nashville. A tree was down on Belle Meade Road. Wires were down near Adelphia stadium.
Lincoln County								
Blanche	15	1410CST			0	0		Thunderstorm Wind (G50)
								Off duty fireman reported trees down near Blanche.
Putnam County								
Baxter	15	1505CST			0	0		Thunderstorm Wind (G50)
								EMA reported trees blown down in the western part of the county.
Grundy County								
Countywide	15	1515CST			0	0		Thunderstorm Wind (G50)
								Sheriff reported numerous trees and power lines blown down across the county.
White County								
Countywide	15	1524CST			0	0		Thunderstorm Wind (G60)
								Numerous trees and power lines were down around the county. Report was relayed by 911 dispatcher.

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>TENNESSEE, Central</u>									
Overton County									
Monroe	15	1600CST			0	0		Thunderstorm Wind (G50)	
Sheriff's office reported a large tree was down on State Highway 111 at Monroe. Also, tree limbs were down across the county.									
Perry County									
Lobelville	21	1400CST			0	0		Hail (0.75)	
Dime size hail reported. Also, a tree was blown down just south of Lobelville.									
Cheatham County									
Ashland City	21	1422CST			0	0		Thunderstorm Wind (G50)	
Tree down on Leo Baker Rd.									
Hickman County									
Centerville	21	1430CST			0	0		Thunderstorm Wind (G50)	
Several trees blown down at Swan Creek on Highway 50.									
Sumner County									
5 N Millersville	21	1500CST			0	0		Thunderstorm Wind (G52)	
EMA reported trees down at White House.									
Sumner County									
7.7 SW Portland to 4.6 SW Portland	21	1500CST 1505CST			0	0		Thunderstorm Wind (G60)	
Newspaper article mentioned uprooted trees, including a 40 foot locust tree that was uprooted on Clearview Road, and also some shingles blown off homes from U.S. Highway 31-W to Clearview Rd.									
Macon County									
Countywide	21	1530CST			0	0		Thunderstorm Wind (G50)	
Sheriff reported trees down around the county.									
Putnam County									
North Portion	21	1530CST			0	0	35K	Thunderstorm Wind (G60)	
EMA reported strong straight line winds hit the northern part of the county from just northwest of Cookeville on Maplewood Drive and Shipley Road, and between Highways 290 & 135. Trees and power lines were down north of Algood and near Bangham. 7 homes were damaged and also a barn. The winds took the tin roof off a barn. Trees fell on 3 of these homes, and also on a shed. Strong winds did roof damage to the other 4 homes.									
Williamson County									
Fairview	21	1535CST			0	0		Thunderstorm Wind (G50)	
Sheriff's office reported trees down.									
Jackson County									
Gainesboro	21	1635CST			0	0		Hail (0.88)	
Spotter reported nickel size hail.									
Moore County									
Countywide	21	1800CST			0	0		Thunderstorm Wind (G55)	
Sheriff reported trees were down around the county.									
Franklin County									
Countywide	21	1825CST			0	0		Thunderstorm Wind (G50)	
Sheriff reported trees down around the county. The hardest hit area was Winchester. A newspaper article said that a boat owned by Franklin County Chancellor Jeff Stewart, had a very large tree resting across the middle of it.									
White County									
2 E Doyle	21	1949CST			0	0		Hail (0.88)	
Nickel size hail was reported. Also, trees were blown down around route 136 between Doyle and Welling.									
Overton County									
Livingston	25	1300CST			0	0		Thunderstorm Wind (G50)	
Trees and tree limbs were blown down.									
Warren County									
Southwest Portion	25	1630CST			0	0		Thunderstorm Wind (G50)	
Highway dept. reported trees down.									
Pickett County									
Oak Grove	26	1630CST			0	0		Thunderstorm Wind (G50)	
Trees were blown down.									
Pickett County									
Red Hill	26	1645CST			0	0		Thunderstorm Wind (G50)	
Trees and power lines were down.									
Van Buren County									
Lonewood	26	1645CST			0	0		Hail (0.75)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
TENNESSEE, Central								
			Dime size hail reported.					
Putnam County								
3 S Monterey	26	1650CST			0	0		Hail (0.75)
			Dime size hail reported.					
Lawrence County								
Lawrenceburg	26	1218CST			0	0		Hail (0.75)
			EMA reported dime size hail and winds estimated to be 60 mph.					
Lawrence County								
Lawrenceburg	26	1227CST			0	0		Thunderstorm Wind (G52)
			EMA reported trees down and power outages.					
Giles County								
Prospect	26	1237CST			0	0		Thunderstorm Wind (G52)
			Spotter reported a tree down.					
Warren County								
Mc Minnville	26	1248CST			0	0		Hail (0.75)
			EMA reported dime size hail in the eastern part of the city. 1/3 of McMinnville was without power.					
Lincoln County								
Coldwater	26	1300CST			0	0		Thunderstorm Wind (G50)
			Sheriff's office reported one or 2 trees down.					
Jackson County								
North Portion	26	1305CST			0	0		Hail (0.75)
			Highway department reported dime size hail.					
Lawrence County								
Lawrenceburg	26	1315CST 1430CST			0	0		Flash Flood
			EMA reported 12 to 18 inches of water in low lying areas near the town square.					
Wayne County								
Waynesboro	26	1330CST			0	0		Thunderstorm Wind (G50)
			Highway dept. reported a few trees down.					
Lincoln County								
Countywide	26	1400CST 1515CST			0	0		Flash Flood
			TEMA reported flooding in low lying areas around the county.					
Bedford County								
4 NE Shelbyville	26	1410CST			0	0		Thunderstorm Wind (G50)
			A tree was down on Horse Mt. Rd.					
Rutherford County								
Murfreesboro	26	1450CST			0	0		Thunderstorm Wind (G65)
			Spotter reported a large tree was uprooted.					
Overton County								
5 E Rickman	26	1500CST			0	0		Thunderstorm Wind (G50)
			Large tree down at Beaver Hill.					
Rutherford County								
Murfreesboro	26	1505CST			0	0		Thunderstorm Wind (G50)
			Spotter reported small trees were down and damage to a neon sign.					
Davidson County								
Nashville	26	1600CST			0	0		Thunderstorm Wind (G50)
			EMA reported tree down in downtown Nashville.					
Pickett County								
2 N Byrdstown	26	1603CST			0	0		Hail (0.75)
			Sheriff reported dime size hail.					
Rutherford County								
Murfreesboro	26	1605CST 1730CST			0	0		Flash Flood
			Murfreesboro police department reported many roads flooded around town. Several roads were blocked off due to high water.					
Putnam County								
Monterey	26	1620CST			0	0		Thunderstorm Wind (G50)
			Sheriff's office reported a large tree limb down.					

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
TENNESSEE, Central								
Putnam County								
Monterey	26	1630CST 2000CST			0	0		Flash Flood
			Highway dept. reported flooding at Monterey.					
Pickett County								
Central Portion	26	1645CST			0	0		Flash Flood
			Highway dept. reported flooding on Highway 111.					
Putnam County								
Mill Creek	26	1645CST			0	0		Thunderstorm Wind (G50)
			Amateur radio report of trees and power lines down at Mill Creek and Algood.					
Putnam County								
2 E Algood	26	1655CST			0	0		Thunderstorm Wind (G50)
			Trees down between Brotherton and Parragon.					
Jackson County								
6.7 ENE Gainesboro	27	1315CST			0	0		Thunderstorm Wind (G50)
			Sheriff's office reported trees down in Greenwood.					
Houston County								
6 SSE Erin	27	1355CST			0	0		Hail (0.75)
			Sheriff reported dime size hail at McEwen Rd.					
Smith County								
1.7 SSE Carthage	27	1400CST			0	0		Thunderstorm Wind (G50)
			Tree down on Highway 53.					
Montgomery County								
Woodlawn	27	1441CST			0	0		Thunderstorm Wind (G61)
			911 center reported a tree down in Woodlawn and also just north of Clarksville.					
Davidson County								
Southwest Portion	27	1505CST			0	0		Hail (0.88)
			Public reported nickel size hail in southwest Davidson county. Dime size hail was reported at Hermitage.					
Dickson County								
Countywide	27	1510CST			0	0		Thunderstorm Wind (G50)
			Highway dept. reported a few trees down.					
Davidson County								
Antioch	27	1530CST			0	0		Thunderstorm Wind (G50)
			Several trees down in Antioch and Woodbine.					
Wilson County								
North Portion	27	1530CST			0	0		Thunderstorm Wind (G50)
			Tree was blown down near Friendship Christian School.					
Rutherford County								
Countywide	27	1540CST			0	0		Thunderstorm Wind (G50)
			Highway dept. reported a few trees down.					
Davidson County								
Goodlettsville	27	1555CST			0	0		Hail (0.75)
			Spotter reported dime size hail.					
Cheatham County								
North Portion	27	1557CST 1600CST			0	0		Thunderstorm Wind (G50)
			Highway dept. reported a few trees down around the northern part of the county.					
Robertson County								
Countywide	27	1600CST			0	0		Thunderstorm Wind (G50)
			Highway dept. reported a few trees down.					
Wilson County								
3.8 SE Watertown to 3.8 SSE Watertown	27	1600CST			0	0		Thunderstorm Wind (G50)
			Limbs down on Lovers Lane.					
Marshall County								
2 S Chapel Hill	29	1210CST			0	0		Funnel Cloud
			Numerous reports by public and EMA of funnel cloud formations.					
Macon County								
Lafayette	30	1430CST			0	0		Thunderstorm Wind (G50)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>TENNESSEE, Central</u>								
Sheriff's office reported trees down in ther western part of the county.								
Lincoln County								
Flintville	30	1530CST			0	0		Hail (0.75)
EMA reported dime size hail at Flintville and Lincoln.								
Franklin County								
Winchester	30	1550CST			0	0		Thunderstorm Wind (G50)
EMA reported trees and power lines down in the southern part of town.								
<u>TENNESSEE, East</u>								
Blount County								
3.5 NW Maryville to 2.5 NW Maryville	02	2045EST 2048EST			0	0	200K	Tornado (F0)
A strong F0 tornado touched down at the intersection of West Hunt Road and Middlesettlement Road near Old Glory. 1 house and 12 mobile homes were damaged. The path was 1.5 miles non-continuous.								
Marion County								
Northwest Portion	04	1735CST			0	0		Hail (0.75)
Near Monteagle on Marion/Grundy County line.								
Loudon County								
5 SW Lenoir City	04	1800EST			0	0	2K	6K Thunderstorm Wind
Several power lines and two trees down.								
Marion County								
5 SE Jasper	04	1843CST			0	0	1K	Thunderstorm Wind
Two trees down on Interstate 24 blocking the road.								
Hamilton County								
2 NE Chattanooga	04	1940EST			0	0		Thunderstorm Wind (G57) M
Hamilton County								
Red Bank	04	1942EST			0	0		Thunderstorm Wind (G52) M
Hamilton County								
Red Bank to Signal Mtn	04	1945EST			0	0		Thunderstorm Wind (G53)
Bradley County								
5 W Cleveland to 5 S Cleveland	04	2027EST			0	0	17K	Thunderstorm Wind
Trees down.								
Polk County								
2 S Wetmore	04	2050EST			0	0	5K	Thunderstorm Wind
Several trees down.								
Mcminn County								
Athens	04	2057EST			0	0		Thunderstorm Wind (G55) M
Meigs County								
5 SE Decatur	04	2100EST			0	0	2K	10K Thunderstorm Wind
Trees and power lines down.								
Mcminn County								
Countywide	04	2100EST			0	0	11K	19K Thunderstorm Wind
Trees and power lines down.								
Monroe County								
Madisonville	04	2115EST			0	0	4K	7K Thunderstorm Wind
Trees and power lines down.								
Loudon County								
Central Portion	06	1437EST			0	0	12K	Thunderstorm Wind
Trees down.								
Loudon County								
Loudon	06	1455EST			0	0		Hail (1.00)
Loudon County								
Countywide	06	1520EST			0	0	10K	Thunderstorm Wind
Several trees down.								
Blount County								
Maryville	06	1540EST			0	0	12K	Thunderstorm Wind
A few trees down.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
TENNESSEE, East								
Knox County								
4 W Knoxville to 3 W Knoxville	13	1745EST			0	0	10K	Thunderstorm Wind
			Several trees down around Knoxville specifically around Sutherland Ave. and Papermill.					
Scott County								
Huntsville	14	1150EST			0	0	10K	Thunderstorm Wind
			Trees down.					
Morgan County								
Wartburg	14	1240EST			0	0	14K	Thunderstorm Wind
			Numerous trees down.					
Morgan County								
Wartburg	14	1240EST			0	0		Hail (0.75)
Mcminn County								
Niota	14	1330EST			0	0	11K	Thunderstorm Wind
			Trees down.					
Rhea County								
Countywide	14	1330EST			0	0	20K	Thunderstorm Wind
			Trees down.					
Roane County								
Rockwood	14	1336EST			0	0	14K	Thunderstorm Wind
			Trees down on Block Creek Road just south of Rockwood.					
Mcminn County								
Athens	14	1415EST			0	0	25K	5K Thunderstorm Wind
			Tree down on a house.					
Claiborne County								
Tazewell	14	1425EST			0	0		Hail (0.75)
Mcminn County								
Englewood	14	1430EST			0	0	14K	Thunderstorm Wind
			Trees down on county roads 422 and 439.					
Claiborne County								
Countywide	14	1440EST			0	0	22K	Thunderstorm Wind
			Trees down.					
Greene County								
Chuckey	14	1630EST			0	0	7K	Thunderstorm Wind
			Several trees down.					
Greene County								
Mosheim	14	1700EST			0	0	9K	Thunderstorm Wind
			Numerous trees down.					
Marion County								
10 SE Whitwell to 4 NE Whitwell	15	1620CST			0	0	20K	Thunderstorm Wind
			Trees down.					
Hamilton County								
Chattanooga	15	1740EST			0	0	10K	Thunderstorm Wind
			Several trees down.					
Hamilton County								
Hixon	15	1740EST			0	0	9K	Thunderstorm Wind
			Trees down.					
Hamilton County								
18 NE Chattanooga	15	1755EST			0	0	25K	10K Thunderstorm Wind
			Several trees down, one on a house.					
Bradley County								
5 NW Cleveland	15	1816EST			0	0	5K	5K Thunderstorm Wind
			Power lines and several trees down on Highway 60.					
Mcminn County								
2 NW Calhoun	15	1820EST			0	0	9K	Thunderstorm Wind
			Several trees down.					

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
TENNESSEE, East								
Mcminn County								
Athens to 13 NW Athens	15	1825EST			0	0	16K	Thunderstorm Wind
			Several trees down.					
Monroe County								
4 S Sweetwater	15	1855EST			0	0	5K	Thunderstorm Wind
			Several trees down.					
Scott County								
1 W Huntsville	21	1740EST			0	0	5K	Thunderstorm Wind
			Trees down.					
Scott County								
Robbins	21	1900EST			0	0	14K	Thunderstorm Wind
			Trees down.					
Morgan County								
Countywide	21	1910EST			0	0	21K	Thunderstorm Wind
			Trees down.					
Polk County								
6 W Copperhill	22	1020EST			0	0	19K	Thunderstorm Wind
			Numerous trees down near Big Frog Mountain.					
Sevier County								
Pittman Center	22	1135EST			0	0		Hail (1.00)
Washington County								
Johnson City	22	1430EST 1630EST			0	0		Urban/Sml Stream Fld
			Three quarters to as much as two inches of rain fell from a nearly stationary thunderstorm. A 20x30 foot section of roof at American Water Heater collapsed due to the rain. Many streets were under several inches of water. The creek that flows through Kiwanis Park overflowed its banks and flooded the park. There was an inch of water in Morrell Music Store on West Market Street. Several other buildings on Market Street had water in them also.					
Knox County								
Knoxville	25	1303EST			0	0	15K	Thunderstorm Wind
			Trees down near the James White Parkway and Haywood Street.					
Knox County								
Knoxville	25	1305EST 1310EST			0	0	10K 16K	Thunderstorm Wind
			Trees and power lines down on Compton Road and John Sevier Highway.					
Blount County								
4 N Maryville	25	1325EST			0	0		Hail (0.75)
			Hail reported on Berns Station Road near the Knox County line.					
Blount County								
1 SW Maryville	25	1330EST			0	0		Hail (0.75)
			At the intersection of Highways 129 and 321.					
Blount County								
Friendsville	25	1356EST			0	0		Hail (0.75)
Polk County								
Farner	25	1400EST			0	0		Hail (0.75)
Polk County								
Farner	25	1400EST			0	0	9K	Thunderstorm Wind
			Several trees down.					
Blount County								
5 W Maryville	25	1405EST			0	0		Hail (0.75)
			Reported in the Smoky View Estates subdivision.					
Greene County								
Tusculum	25	1420EST			0	0		Hail (1.75)
Sullivan County								
Bluff City to Bristol	25	1720EST			0	0	2K	Thunderstorm Wind
			Three trees down.					
Cocke County								
Del Rio	26	1120EST			0	0	50K 20K	Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
TENNESSEE, East								
Winds moved the Del Rio Baptist Church, built in 1874, off its foundation. The storm also blew the roof off a barn located on Punkton Road. Numerous trees fell in the area also.								
Cocke County								
Del Rio	26	1120EST			0	0		Hail (1.75)
Greene County								
Caney Branch	26	1145EST			0	0	11K	Thunderstorm Wind
Trees down on Poplar Springs Road.								
Greene County								
Mohawk to Mosheim	26	1200EST			0	0		Hail (1.00)
Greene County								
Mohawk to Mosheim	26	1205EST			0	0	20K	Thunderstorm Wind
Power lines blown down disrupted service to around 4100 customers for approximately 40 minutes.								
Hamilton County								
Red Bank	26	1535EST			0	0		Hail (1.75)
Hamilton County								
Signal Mtn to Red Bank	26	1545EST			0	0	19K	Thunderstorm Wind
Trees and power lines down.								
Hamilton County								
Soddy Daisy	26	1630EST			0	0		Hail (0.75)
Hamilton County								
Soddy Daisy	26	1630EST			0	0	12K	15K Thunderstorm Wind
Trees and power lines down.								
Blount County								
3 NE Maryville	28	2045EST			0	0	1K	6K Thunderstorm Wind
Trees down and shutters blown off homes.								
Jefferson County								
Strawberry Plains	29	1315EST			0	0	14K	Thunderstorm Wind
Trees down.								
Claiborne County								
Tazewell	29	1400EST			0	0	8K	Thunderstorm Wind
Few trees and large limbs down.								
Washington County								
Johnson City	29	1530EST			0	0	10K	Thunderstorm Wind
Several trees down.								
Greene County								
Jearoldstown	29	1550EST			0	0		Hail (0.75)
Near Interstate 81.								
Washington County								
Fall Branch	29	1610EST			0	0	20K	Thunderstorm Wind
Tree fell on a house.								
Sullivan County								
Bloomington	29	1620EST			0	0		Hail (0.88)
Sullivan County								
Kingsport	29	1635EST			0	0		Hail (0.75)
On north side of town.								
Loudon County								
2 W Lenoir City	29	1835EST			0	0	21K	Thunderstorm Wind
Two large trees down on Martel Road.								
Monroe County								
Madisonville to Vonore	29	1845EST			0	0	23K	Thunderstorm Wind
Several trees down.								
Anderson County								
Oak Ridge	29	1847EST			0	0	18K	Thunderstorm Wind
Tree down on three cars.								

Storm Data and Unusual Weather Phenomena

June 2001

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>TENNESSEE, East</u>									
Anderson County									
Oak Ridge	29	1926EST			0	0	16K	Thunderstorm Wind	
		Three trees down along South George Road off Pellissippi.							
Monroe County									
Coker Creek	29	2015EST			0	0		Hail (1.00)	
Polk County									
Ducktown	29	2110EST			0	0		Hail (0.75)	
Polk County									
Turtletown	29	2115EST			0	0	17K	Thunderstorm Wind	
		Several trees down.							
Monroe County									
2 E Madisonville	29	2130EST			0	0	12K	Thunderstorm Wind	
		Trees down on Nile Ferry Road.							
Mcminn County									
Lamontville	29	2155EST			0	0	19K	Thunderstorm Wind	
		Trees down in the southwest part of town.							
Meigs County									
Countywide	29	2155EST			0	0	21K	Thunderstorm Wind	
		Trees down.							
<u>TENNESSEE, West</u>									
Lauderdale County									
Halls	03	0505CST 0510CST			0	0	0.01K	Hail (0.75)	
Madison County									
Jackson	03	0658CST 0705CST			0	0	0.01K	Hail (0.75)	
Hardeman County									
Toone	03	0700CST 0705CST			0	0	0.01K	Hail (0.75)	
Madison County									
1 SE Jackson	03	0730CST 0735CST			0	0	0.01K	Hail (0.75)	
Fayette County									
3 N Somerville to Braden	03	0745CST 0755CST			0	0	0.75K	Hail (1.50)	
Madison County									
Jackson	03	0750CST 0755CST			0	0	5K	Thunderstorm Wind	
		A few trees were knocked down.							
Madison County									
Pinson	03	0805CST 0810CST			0	0	0.10K	Hail (1.00)	
Chester County									
Mifflin	03	0808CST 0815CST			0	0	0.75K	Hail (1.75)	
Henderson County									
Lexington	03	0812CST 0820CST			0	0	0.05K	Hail (0.88)	
Chester County									
Mifflin	03	0820CST 0825CST			0	0	5K	Thunderstorm Wind	
		Some trees were blown down.							
Chester County									
Enville	03	0850CST 0855CST			0	0	5K	Thunderstorm Wind	
		Several trees were knocked down.							
Hardin County									
Saltillo	03	0905CST 0910CST			0	0	0.01K	Hail (0.75)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
TENNESSEE, West								
Fayette County								
5 N Somerville	03	0935CST			0	0	5K	Thunderstorm Wind
		A few trees were blown down.						
Shelby County								
Whitehaven	04	1710CST 1715CST			0	0	5K	Thunderstorm Wind
		Several trees were blown down.						
Fayette County								
Gallaway	04	1735CST 1740CST			0	0	5K	Thunderstorm Wind
		A few trees were blown down.						
Tipton County								
Atoka	04	1735CST 1740CST			0	0	5K	Thunderstorm Wind
		Some trees were knocked down.						
Tipton County								
Munford	04	1745CST 1750CST			0	0	5K	Thunderstorm Wind
		Several trees were knocked down.						
Lauderdale County								
2 E Cherry	04	1820CST 1825CST			0	0	5K	Thunderstorm Wind
		Some power lines were knocked down near the town of Fort Pillow.						
Tipton County								
Munford	04	1830CST 2100CST			0	0	10K	Flash Flood
		Four homes had water in them after locally heavy rains produced flooding in the Munford area.						
Hardin County								
Savannah	21	1315CST 1320CST			0	0	15K	Thunderstorm Wind
		Numerous trees and power lines were knocked down.						
Dyer County								
3 W Dyersburg	27	1158CST 1205CST			0	0	0	1K Tornado (F0)
		The tornado touched down between Finley and Dyersburg and tracked about one-quarter mile before dissipating. Some crop damage was reported.						
Dyer County								
Unionville	27	1215CST 1220CST			0	0	0	1K Tornado (F0)
		A second tornado touched down near the town of Unionville. This tornado also was on the ground for about one-quarter of a mile and produced some crop damage.						
Dyer County								
Dyersburg	27	1225CST 1230CST			0	0	0.01K	Hail (0.75)
Weakley County								
Greenfield	27	1250CST 1255CST			0	0	0.01K	Hail (0.75)
Henry County								
Paris	27	1320CST 1330CST			0	0	0.76K	Hail (1.75)
		Hail ranging in size from dime to golfball was covering the ground.						
Dyer County								
Tigrett	27	1430CST 1435CST			0	0	0.50K	Hail (1.50)
Tipton County								
Atoka	28	1730CST 1735CST			0	0	10K	Thunderstorm Wind
		An 8' x 10' metal building was blown over a house and landed 100 feet across a road. Several homes had shingles blown off their roofs. Utility lines were pulled from a house. Several trees were knocked over.						

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
TEXAS, Central							
Tom Green County							
San Angelo	01	1213CST			0	0	Hail (0.88)
Tom Green County							
San Angelo	01	1215CST			0	0	Hail (0.75)
Tom Green County							
San Angelo	01	1223CST			0	0	Hail (0.88)
Tom Green County							
Vancourt	01	1240CST			0	0	Hail (1.75)
Mcculloch County							
Brady	01	1356CST			0	0	1K Thunderstorm Wind
High winds downed large tree limbs across the city of Brady.							
Sutton County							
10 W Sonora	06	1800CST			0	0	Hail (1.75)
Nolan County							
Roscoe	12	2015CST			0	0	Hail (1.75)
Nolan County							
5 NW Roscoe	12	2020CST			0	0	20K Thunderstorm Wind (G61)
Four tractor trailers were blown over by winds estimated at 70 mph on Highway 84 northwest of Roscoe.							
Nolan County							
5 NW Roscoe	12	2020CST			0	0	50K Thunderstorm Wind
Two homes northwest of Roscoe suffered extensive damage when thunderstorm winds blew through the area. Each home had extensive roof damage, allowing water to enter and cause most of the damage.							
Nolan County							
2 NW Roscoe	12	2042CST			0	0	Tornado (F0)
Nolan County storm spotters reported a a brief tornado touchdown in open country northwest of Roscoe.							
Nolan County							
3 N Roscoe	12	2053CST			0	0	Tornado (F0)
Spotters reported a second brief tornado touchdown north of Roscoe.							
Nolan County							
Sweetwater	12	2126CST			0	0	5K Thunderstorm Wind
Thunderstorm winds downed trees, ripped shingles off roofs, and knocked down power lines across the city of Sweetwater.							
Jones County							
6 E Hamlin	12	2130CST			0	0	5K Thunderstorm Wind
High winds moved a large water tank with 100 gallons of water in it about a quarter of a mile, destroying the tank. These same winds also blew 3 metal doors off a barn. A severe thunderstorm produce golf ball size hail, winds estimated at 70 mph, and 2 brief tornados as the storm crossed extreme northwest Nolan County. Tractor trailers were blown over by the wind, with extensive damage also reported to two homes.							
Throckmorton County							
Throckmorton	13	1550CST			0	0	Hail (1.75)
Throckmorton County							
5 NE Throckmorton	13	1600CST			0	0	Hail (1.75)
An isolated severe thunderstorm produced golf ball size hail across central and eastern Throckmorton County.							
Brown County							
5 NE Early	14	2133CST			0	0	Hail (1.75)
Golf ball size hail fell across central Brown County.							
TEXAS, Central Southeast							
Harris County							
Houston	01	1910CST			0	0	10K Thunderstorm Wind
News media reported street signs and trees down between the Medical Center and downtown Houston.							
TXZ163>164-177>179-197>200-212>214-227-237>238							
	05	1300CST			22	0	5.1B Tropical Storm
	10	0300CST					
Tropical Storm Allison formed in the northwest Gulf of Mexico during the early afternoon of June 5th, 80 miles south of Galveston. Allison moved northward, making landfall on the west end of Galveston Island between midnight and 1am on the 6th, less than 12 hours after forming. As Allison moved inland it caused two to three foot tides, which had little impact on the area. On the evening of the 5th a tornado briefly touched down in Brazoria county causing damage to one home in the Manvel area. Over the next five days							

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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TEXAS, Central Southeast

Allison produced record rainfall that led to devastating flooding across Southeast Texas, killing 22 people and damaging over 48,000 homes, 70,000 automobiles and nearly 2000 businesses.

The first significant flooding occurred while Allison was still offshore. A large spiral band with very heavy rainfall moved inland from Galveston to the Houston area, and by mid evening 8 to 12 inch totals were common from northern Galveston county into southern Harris county. Heavy rain continued over inland portions of Southeast Texas overnight with 3 to 5 inch totals common, as Allison moved inland and weakened.

On the morning of June 6th, Allison was downgraded to a tropical depression. Allison moved north until it was near Lufkin, then made a clockwise loop and began drifting to the southwest. Before sunrise on June 7th, the center was near Huntsville, and a band of heavy rain moved into Liberty county producing 5 to 10 inches of rain, causing almost a foot of water on Highway 90. Around the same time another area of thunderstorms developed over the Sugar Land - Stafford areas of Fort Bend and Harris counties, producing another 8 to 12 inches of rain and causing abundant street flooding and water in some homes. During the day moderate to heavy rain continued over Brazoria, Houston, Liberty, Polk, Trinity and Walker counties resulting in additional reports of flooding.

June 8th began with another 5 to 10 inches of rainfall along the immediate coast, causing flooding in southern Brazoria county, central Galveston county and northern Chambers county. Skies cleared for a few hours, but the rain began again that afternoon over Montgomery county. Thunderstorms intensified rapidly over southern Montgomery and eastern Harris counties and began to train across the Houston metro area that evening and into June 9th. Very heavy rainfall was observed for up to 10 hours in some locations, and rainfall rates of 4 inches or more per hour were observed throughout the night. Flash flooding initiated quite rapidly during rush hour late Friday afternoon. Widespread street flooding was the initial threat, but the high rainfall amounts forced almost all the major Houston area bayou systems into severe flooding, with some to record levels. The flooding caused a complete shutdown of downtown Houston, including all major roadways and both major airports for more than 12 hours. The Texas Medical Center along Brays Bayou sustained severe damage resulting in the complete shutdown of several hospitals and a significant loss of research data. Twenty-two people lost their lives due to the flash flooding in Harris county on the 8th and 9th.

On June 9th the circulation center of the storm gradually made its way toward Palacios. Before moving offshore, another round of heavy rain developed across southern Harris and extreme northern Galveston counties. This caused flooding along Clear Creek, putting water in homes in the Friendswood, Webster and League City areas. F42IW, F45PH, M44IW, M22VE, M21VE, F55IW, M21IW, M30PH, F53PH, M62IW, F34VE, M38VE, M32IW, M70VE, M37VE, F69VE, M71VE, M52IW, F35IW, M42IW, M23IW, M57VE

Galveston County Countywide

05	1600CST	0	0		Flash Flood
06	0200CST				

Flooding from T.S. Allison. Damage included in previous report.

Brazoria County 1 E Manvel

05	1630CST	0	0	40K	Tornado (F0)
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A tornado touched down near Highway 6 and County Road 99, downing trees and damaging one home.

Brazoria County Northeast Portion

05	1715CST	0	0		Flash Flood
	2100CST				

Flooding from T.S. Allison. Damage included in previous report.

Harris County South Portion

05	1730CST	0	0		Flash Flood
06	0200CST				

Flooding from T.S. Allison. Damage included in previous report.

Brazoria County Liverpool Montgomery County Southeast Portion

05	1855CST	0	0		Funnel Cloud
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05	2130CST	0	0		Flash Flood
06	0400CST				

Flooding from T.S. Allison. Damage included in previous report.

Trinity County Countywide

06	0030CST	0	0		Flash Flood
	0200CST				

Flooding from T.S. Allison. Damage included in previous report.

Walker County Countywide

06	0030CST	0	0		Flash Flood
	0530CST				

Flooding from T.S. Allison. Damage included in previous report.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
TEXAS, Central Southeast								
Liberty County								
Southeast Portion	07	0300CST 0645CST			0	0		Flash Flood
			Flooding from the remnants of T.S. Allison. Damage included in previous report.					
Houston County								
Countywide	07	0400CST 1230CST			0	0		Flash Flood
			Flooding from the remnants of T.S. Allison. Damage included in previous report.					
Fort Bend County								
East Portion	07	0430CST 0900CST			0	0		Flash Flood
			Flooding from the remnants of T.S. Allison. Damage included in previous report.					
Harris County								
Southwest Portion	07	0430CST 0900CST			0	0		Flash Flood
			Flooding from the remnants of T.S. Allison. Damage included in previous report.					
Brazoria County								
Freeport	07	0800CST 1000CST			0	0		Flash Flood
			Flooding from the remnants of T.S. Allison. Damage included in previous report.					
Trinity County								
Countywide	07	0800CST 1230CST			0	0		Flash Flood
			Flooding from the remnants of T.S. Allison. Damage included in previous report.					
Walker County								
North Portion	07	0800CST 1230CST			0	0		Flash Flood
			Flooding from the remnants of T.S. Allison. Damage included in previous report.					
Houston County								
Countywide	07 08	2000CST 0700CST			0	0		Flash Flood
			Flooding from the remnants of T.S. Allison. Damage included in previous report.					
Liberty County								
South Portion	07 08	2000CST 0800CST			0	0		Flash Flood
			Flooding from the remnants of T.S. Allison. Damage included in previous report.					
Walker County								
Countywide	07 08	2200CST 0015CST			0	0		Flash Flood
			Flooding from the remnants of T.S. Allison. Damage included in previous report.					
Trinity County								
Countywide	08	0200CST 0700CST			0	0		Flash Flood
			Flooding from the remnants of T.S. Allison. Damage included in previous report.					
Walker County								
Countywide	08	0200CST 0500CST			0	0		Flash Flood
			Flooding from the remnants of T.S. Allison. Damage included in previous report.					
Galveston County								
Santa Fe	08	0310CST 0315CST			0	0	30K	Thunderstorm Wind
			A building under construction sustained a damaged roof, twisted rafters and a collapsed frame. Numerous trees and fences were blown down.					
Brazoria County								
South Portion	08	0400CST 0800CST			0	0		Flash Flood
			Flooding from the remnants of T.S. Allison. Damage included in previous report.					
Galveston County								
Central Portion	08	0400CST 0600CST			0	0		Flash Flood
			Flooding from the remnants of T.S. Allison. Damage included in previous report.					

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
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TEXAS, Central Southeast

Chambers County

North Portion	08	0430CST 0615CST			0	0	Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

Polk County

North Portion	08	0600CST 0730CST			0	0	Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

Walker County

Countywide	08	1520CST 2000CST			0	0	Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

Montgomery County

Countywide	08 09	1525CST 1200CST			0	0	Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

San Jacinto County

2 SE Maynard	08	1530CST			0	0	15K	Thunderstorm Wind
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Trees and power lines down along FM 1725.

Montgomery County

The Woodlands	08	1600CST 1730CST			0	0		Funnel Cloud
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Numerous reports of funnel clouds in The Woodlands area.

Harris County

Countywide	08 09	1700CST 2100CST			0	0		Flash Flood
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Flooding from the remnants of T.S. Allison. Damage and fatalities included in previous report.

Harris County

Galena Park	08	1710CST			0	0		Funnel Cloud
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Washington County

Countywide	08	1800CST 2200CST			0	0		Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

Harris County

Spring	08	1910CST			0	0		Funnel Cloud
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Brazoria County

Northeast Portion	08 09	2000CST 0730CST			0	0		Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

Fort Bend County

East Portion	08 09	2000CST 0800CST			0	0		Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

Grimes County

Southeast Portion	09	0045CST 0600CST			0	0		Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

Waller County

Northeast Portion	09	0045CST 0430CST			0	0		Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

Washington County

East Portion	09	0045CST 0430CST			0	0		Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

Galveston County

North Portion	09	0100CST 0900CST			0	0		Flash Flood
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Flooding from the remnants of T.S. Allison. Damage included in previous report.

Storm Data and Unusual Weather Phenomena

June 2001

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
TEXAS, Central Southeast									
San Jacinto County									
Countywide	09	0750CST 1030CST			0	0		Flash Flood	
Flooding from the remnants of T.S. Allison. Damage included in previous report.									
Harris County									
Ellington Field	09	1120CST			0	0		Funnel Cloud	
Brazoria County									
Countywide	09	1200CST 1400CST			0	0		Flash Flood	
Flooding from the remnants of T.S. Allison. Damage included in previous report.									
Fort Bend County									
East Portion	09	1200CST 1400CST			0	0		Flash Flood	
Flooding from the remnants of T.S. Allison. Damage included in previous report.									
Chambers County									
North Portion	09	1230CST 1830CST			0	0		Flash Flood	
Flooding from the remnants of T.S. Allison. Damage included in previous report.									
Galveston County									
North Portion	09 10	1230CST 0230CST			0	0		Flash Flood	
Flooding from the remnants of T.S. Allison. Damage included in previous report.									
Liberty County									
South Portion	09	1300CST 1400CST			0	0		Flash Flood	
Flooding from the remnants of T.S. Allison. Damage included in previous report.									
Brazoria County									
Countywide	09 10	2230CST 0300CST			0	0		Flash Flood	
Flooding from the remnants of T.S. Allison. Damage included in previous report.									
TXZ213									
	11	1635CST			1	0		Excessive Heat	
Female died of heat exposure in her home. F82PH									
TXZ213									
	14	1333CST			1	0		Excessive Heat	
Female died of heat exposure while doing yard work. F73OU									
Trinity County									
Trinity	15	0015CST			0	0	1K	Thunderstorm Wind	
Large oak tree down on Highway 94.									
Grimes County									
Anderson	15	0256CST			0	0	1K	Thunderstorm Wind	
Large tree down on FM 1774.									
Harris County									
Galena Park	21	1442CST 1445CST			0	0	10K	Thunderstorm Wind	
Power lines down.									
Harris County									
Deer Park	21	1455CST			0	0	5K	Hail (0.75)	
Brazos County									
Bryan	21	2130CST 2140CST			0	0	20K	Thunderstorm Wind	
Trees uprooted and power lines down.									
Harris County									
Houston	26	1430CST			0	0	15K	Hail (0.88)	
Nickel size hail at Northline Mall.									
Harris County									
Aldine	26	1445CST 1450CST			0	0	10K	Hail (0.75)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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TEXAS, Central Southeast

Dime size hail at Beltway 8 and The Hardy Toll Road.								
TXZ213		Harris						
	27	1440CST			1	0		Excessive Heat
Male collapsed outside from heat exposure and died.								
M49OU								
Liberty County								
1 N Cleveland	27	1835CST			0	0	20K	Thunderstorm Wind
Trees and power lines down.								
Harris County								
Houston to Crosby	28	1730CST 1745CST			0	0	30K	Hail (0.88)
Nickel size hail across the eastern portion of the county.								
Harris County								
Houston to Crosby	28	1730CST 1745CST			0	0	30K	Thunderstorm Wind
Trees down across the eastern portion of the county.								
Harris County								
Crosby	28	1732CST			0	0	5K	Hail (0.75)
Harris County								
Cloverleaf	28	1733CST			0	0		Funnel Cloud
Funnel cloud at I-10 and Beltway 8.								
Liberty County								
3 W Dayton	28	1830CST			0	0		Funnel Cloud
Liberty County								
Kenefick	28	1850CST 1955CST			0	0	10K	Thunderstorm Wind
Trees and power lines down.								
Montgomery County								
1 W Lake Conroe Dam	28	1911CST			0	0	10K	Hail (1.00)
Harris County								
1 NW Houston	29	1412CST			0	0	5K	Hail (0.75)
Dime size hail near Beltway 8 and U.S. Highway 290.								
Harris County								
Houston	29	1430CST			0	0	20K	Hail (1.00)
Quarter size hail in downtown Houston.								
Harris County								
Houston	29	1452CST			0	0		Funnel Cloud
Funnel cloud reported in the Greenspoint Area.								
Harris County								
Cypress	29	1525CST			0	0	5K	Hail (0.75)
Dime size hail at U.S. Highway 290.								

TEXAS, Extreme West

El Paso County								
El Paso	25	1730MST 1900MST			0	0	30K	0 Urban/Sml Stream Fld

A series of thunderstorms dropped 2.5 inches of rain in an hour on west El Paso, and 3 inches on the northeast part of the city. This resulted in significant street flooding and numerous stalled vehicles. Numerous cloud-to-ground lightning strikes knocked out power to these same areas.

TEXAS, Mid - South

Kleberg County								
Kingsville	07	0624CST			0	0		Hail (1.00)
Calhoun County								
Port O Conner	07	1510CST			0	0		Hail (0.88)
Refugio County								
Bayside	07	1550CST			0	0		Thunderstorm Wind (G50)
Nueces County								
Corpus Christi	07	1550CST			0	0		Hail (1.00)
Hail reported in Calallen.								

Storm Data and Unusual Weather Phenomena

June 2001

								June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm	
<u>TEXAS, Mid - South</u>								
Nueces County								
Corpus Christi	07	1605CST			0	0	Hail (1.00)	
Nueces County								
Corpus Christi	07	1605CST			0	0	Thunderstorm Wind (G50)	
		Roof damage at Koch Refinery						
Nueces County								
Corpus Christi	07	1640CST			0	0	Waterspout	
Jim Wells County								
3 NW Ben Bolt	07	1750CST			0	0	Thunderstorm Wind (G50)	
Webb County								
Laredo	14	1755CST			0	0	Hail (1.00)	
Webb County								
Laredo	14	1800CST			0	0	Hail (0.75)	
La Salle County								
Encinal	14	1930CST			0	0	Thunderstorm Wind (G50)	
		Moved a parked truck						
Calhoun County								
Magnolia Beach	22	0310CST			0	0	Thunderstorm Wind (G60)	
		Wind damage several fish houses were demolished...and a metal pole penetrated a travel trailer at miller's point.						
Bee County								
Beeville	22	1700CST			0	0	Thunderstorm Wind (G50)	
		Shingles blown off roof at a church...damage to cars at a local Walmart in north Beeville.						
Bee County								
Beeville	22	1725CST			0	0	Thunderstorm Wind (G50)	
Live Oak County								
George West	22	1841CST			0	0	Hail (0.75)	
Live Oak County								
George West	22	1841CST			0	0	Thunderstorm Wind (G50)	
		Trees blown down.						
Jim Wells County								
1 E Alice	25	1513CST			0	0	Hail (0.88)	
<u>TEXAS, North</u>								
Anderson County								
Countywide	07	2205CST			0	0	Flash Flood	
		High water was reported on county roads 153, 164, and 2140.						
June 7 Episode Narrative								
		A slow moving thunderstorm over the southeast sections of North Texas brought flash flooding to Anderson County.						
Young County								
Loving	14	1454CST			0	0	Hail (0.75)	
Jack County								
Antelope	14	1455CST			0	0	Hail (1.00)	
Stephens County								
Breckenridge	14	1525CST			0	0	Hail (2.00)	
Stephens County								
Gunsight	14	1525CST			0	0	Hail (3.50)	
Stephens County								
4 S Breckenridge	14	1530CST			0	0	Hail (1.50)	
Montague County								
3 W Nocona	14	1543CST			0	0	Hail (2.75)	
Montague County								
4 NE Bonita	14	1550CST			0	0	Hail (1.00)	
Eastland County								
2 N Ranger	14	1608CST			0	0	Hail (1.75)	
Cooke County								
Muenster	14	1615CST			0	0	Thunderstorm Wind (G57)	

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
TEXAS, North									
Jack County									
7 SE Jacksboro	14	1620CST			0	0		Hail (1.00)	
Cooke County									
Muenster	14	1643CST			0	0		Thunderstorm Wind (G61)	
Montague County									
St Jo	14	1645CST			0	0		Thunderstorm Wind (G61)	
Trees were blown down by high winds.									
Eastland County									
2 N Cisco	14	1652CST			0	0		Tornado (F0)	
A brief touchdown was reported. No damage occurred.									
Cooke County									
3 W Muenster	14	1655CST			0	0		Hail (1.75)	
Denton County									
Krum	14	1724CST			0	0	1K	Thunderstorm Wind (G52)	
Power lines were blown down.									
Eastland County									
Eastland	14	1730CST			0	0		Hail (1.00)	
Eastland County									
Ranger	14	1730CST			0	0		Hail (1.75)	
Grayson County									
5 SE Whitesboro	14	1743CST			0	0		Thunderstorm Wind (G57)	
Denton County									
Krum	14	1800CST 1805CST			0	0		Hail (1.00)	
Grayson County									
Collinsville	14	1800CST			0	0	25K	Lightning	
Lightning set a storage tank on fire at Farm Market 902 and Gramms Grove Road.									
Grayson County									
Denison	14	1810CST			0	0	10K	Thunderstorm Wind (G58)	
Trees and power lines were blown down. The roof of a liquor store was partially destroyed.									
Grayson County									
Sherman	14	1810CST			0	0	20K	Thunderstorm Wind (G58)	
Large trees were blown down by high winds. An oil drilling rig near the airport was blown over.									
Tarrant County									
Eagle Mtn Lake	14	1830CST			0	0	15K	Thunderstorm Wind (G58)	
A house was unroofed and trees were blown down by high winds.									
Parker County									
6 S Weatherford	14	1833CST			0	0		Hail (1.00)	
Occurred at Tin Top.									
Denton County									
Denton	14	1840CST			0	0		Thunderstorm Wind (G61)	
A large tree was blown down at TWU.									
Erath County									
Countywide	14	1840CST			0	0		Thunderstorm Wind (G52)	
A tree was blown across a county road in the western part of the county.									
Collin County									
Countywide	14	1845CST			0	0		Thunderstorm Wind (G58)	
Trees and power lines were blown down all across the county.									
Denton County									
1 E Denton	14	1845CST			0	0	2K	Thunderstorm Wind (G52)	
Two telephone poles were blown down.									
Tarrant County									
2 N Blue Mound	14	1854CST			0	0		Hail (0.88)	
Denton County									
11 E Denton	14	1855CST			0	0		Thunderstorm Wind (G57)	
Collin County									
Mc Kinney	14	1900CST			0	0		Thunderstorm Wind (G61)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
TEXAS, North								
Fannin County								
Countywide	14	1900CST			0	0		Hail (0.75)
			Occurred in the northeast part of the county.					
Fannin County								
Ivanhoe	14	1900CST			0	0		Thunderstorm Wind (G52)
			Trees were blown down by high thunderstorm winds.					
Tarrant County								
White Settlement	14	1903CST			0	0		Hail (0.75)
Tarrant County								
Ft Worth	14	1910CST			0	0		Thunderstorm Wind (G52)
Hunt County								
2 NE Greenville	14	1915CST			0	0	1K	Thunderstorm Wind (G52)
			A fireworks stand was blown onto a fence.					
Lamar County								
Paris	14	1915CST			0	0		Hail (0.88)
Comanche County								
De Leon	14	1920CST			0	0		Hail (0.88)
Tarrant County								
Haltom City	14	1920CST			0	0		Hail (0.75)
Tarrant County								
Benbrook	14	1921CST			0	0		Thunderstorm Wind (G52)
			Signs were blown down by high thunderstorm winds.					
Parker County								
Millsap	14	1924CST			0	0		Hail (1.00)
Hunt County								
Countywide	14	1930CST			0	0	1K	Thunderstorm Wind (G52)
			A large tree was blown onto a house in the southern part of the county.					
Tarrant County								
North Richland Hills	14	1930CST			0	0	0.50K	Thunderstorm Wind (G52)
			A fence was partially destroyed by high winds and a trampoline was blown onto a neighbors roof.					
Tarrant County								
White Settlement	14	1936CST			0	0		Hail (1.00)
Tarrant County								
Ft Worth	14	1937CST			0	0		Hail (0.75)
			Occurred in south Ft. Worth.					
Tarrant County								
Ft Worth	14	1938CST			0	0		Thunderstorm Wind (G52)
			Occurred in south Ft. Worth.					
Dallas County								
Garland	14	1943CST			0	0		Thunderstorm Wind (G52)
			Large tree limbs were blown down in the northern part of the town.					
Delta County								
Cooper	14	1945CST			0	0		Thunderstorm Wind (G52)
			Large tree limbs were blown down by thunderstorm winds.					
Tarrant County								
Crowley	14	1945CST			0	0	15K	Lightning
			Lightning started a house fire.					
Hopkins County								
Sulphur Spgs	14	1948CST			0	0		Thunderstorm Wind (G52)
			Power lines were blown down by high thunderstorm winds.					
Dallas County								
Garland	14	1950CST			0	0		Thunderstorm Wind (G52)
			Occurred in the north part of town.					
Tarrant County								
Arlington	14	1950CST			0	0		Thunderstorm Wind (G52)
			A large tree was blown down by high winds in southwest Arlington.					
Tarrant County								
Ft Worth	14	1950CST			0	0		Hail (1.00)

Storm Data and Unusual Weather Phenomena

								June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm	
TEXAS, North								
Hopkins County								
Countywide	14	2000CST			0	0	Thunderstorm Wind (G52)	
	A tree was blown down onto a car driving on county road 900. This is in the eastern part of the county.							
Johnson County								
Countywide	14	2001CST			0	0	Thunderstorm Wind (G52)	
	Trees were blown down across county road 531. This is in the western part of the county.							
Comanche County								
Countywide	14	2055CST			0	0	Hail (0.88)	
	Occurred in the western part of the county.							
Mills County								
Priddy	14	2240CST			0	0	Hail (0.75)	
June 14 Episode Narrative								
A widespread thunderstorm event occurred across north Texas as a cold front, dryline, and low pressure combined to bring severe weather to the region. Numerous reports of large hail and damaging winds were received, with an isolated tornado reported near Cisco, in Eastland County. Virtually everyone received some rain, but amounts varied greatly by location								
Grayson County								
Sadler	21	1410CST			0	0	Hail (1.75)	
Grayson County								
3 E Sadler	21	1420CST			0	0	Hail (0.75)	
Wise County								
Newark	21	1425CST			0	0	Hail (0.88)	
Tarrant County								
Azle	21	1440CST			0	0 25K	Thunderstorm Wind (G58)	
	Numerous trees and power lines were blown down across town. Many homes were without power for 24 hours.							
Tarrant County								
1 S Ft Worth	21	1500CST			0	0	Hail (0.88)	
Denton County								
2 N Denton	21	1515CST			0	0	Hail (0.88)	
Parker County								
Annetta	21	1515CST			0	0	Thunderstorm Wind (G52)	
	A large tree limb was blown down onto a road at Annetta.							
Denton County								
Denton	21	1518CST			0	0	Hail (1.50)	
	Occurred in the north part of town.							
Fannin County								
Ladonia	21	1530CST			0	0	Hail (1.00)	
Van Zandt County								
Canton	21	1710CST			0	0 60K	Lightning	
	Houses burned to the ground after being struck by lightning. The houses were located between Canton and Phalba, on Highway 198.							
Erath County								
Dublin	21	1800CST			0	0	Hail (1.00)	
Freestone County								
Streetman	21	1815CST			0	0	Thunderstorm Wind (G58)	
	Large trees were blown down by high thunderstorm winds.							
June 21 Episode Narrative								
A stalled boundary helped to initiate scattered thunderstorms across North Texas, generally south and east of a Gainesville, Weatherford, Comanche line. Some of the storms were severe, bringing large hail and strong winds.								
Dallas County								
Rowlett	29	1810CST			0	0	Hail (1.00)	
Rockwall County								
Lake Ray Hubbard	29	1817CST			0	0	Hail (0.75)	
Dallas County								
Garland	29	1905CST			0	0	Hail (2.00)	

Storm Data and Unusual Weather Phenomena

								June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>TEXAS, North</u>								
Dallas County								
Dallas	30	0755CST			0	0		Flash Flood
Cars were floating in high water at Interstate 30 and Buckner.								
Dallas County								
Mesquite	30	0758CST			0	0		Flash Flood
A creek was out of its banks, flooding some nearby roads.								
Cooke County								
Countywide	30	0825CST			0	0		Flash Flood
Two farm to market roads were closed due to high water. This occurred in the southeast part of the county.								
Grayson County								
Tioga	30	0825CST			0	0		Flash Flood
Five inches of rain resulted in a bridge being washed out.								
June 29, 30 Episode Narrative								
Several stalled outflow boundaries across North Texas allowed for more thunderstorm initiation. These storms moved very slowly and caused predominantly heavy rain across the Dallas/Fort Worth metroplex, northward to the Red River. A few reports of large hail were also received. During the last few days of June and the beginning of July, North Texas received much above normal rainfall, in what is normally a relatively dry time of year.								
<u>TEXAS, North Panhandle</u>								
Collingsworth County								
5 E Wellington	04	1725CST			0	0		Hail (1.75)
Wheeler County								
6 S Wheeler	04	2038CST			0	0		Hail (1.00)
Wheeler County								
6 E Wheeler	04	2049CST			0	0		Hail (1.75)
Wheeler County								
Allison	04	2058CST			0	0		Hail (1.00)
Hemphill County								
27 SE Canadian	04	2115CST			0	0		Hail (1.75)
Severe thunderstorms producing large hail developed across the extreme eastern and southeastern Texas panhandle during the evening hours.								
Hemphill County								
4 E Canadian	05	1920CST			0	0		Hail (0.75)
Hemphill County								
4 E Canadian	05	1920CST			0	0		Thunderstorm Wind (G61)
A one and one quarter inch tree branch was reported down by the winds.								
Lipscomb County								
7 W Higgins	05	1955CST			0	0		Hail (0.75)
Hemphill County								
5 SE Glazier	05	2120CST			0	0		Hail (0.75)
Wheeler County								
Wheeler	05	2240CST			0	0		Hail (1.75)
Wheeler County								
2 E Wheeler	05	2245CST			0	0		Hail (1.50)
Wheeler County								
4 NE Shamrock	05	2334CST			0	0		Hail (0.88)
Wheeler County								
6 E Shamrock	05	2338CST			0	0		Hail (1.00)
Wheeler County								
8 E Shamrock	05	2340CST			0	0		Hail (1.00)
Severe thunderstorms with large hail and high winds developed across the eastern Texas panhandle during the late evening hours.								
Roberts County								
Miami	12	1745CST			0	0		Hail (1.00)
Roberts County								
Miami	12	1750CST			0	0		Hail (0.75)
Roberts County								
Miami	12	1752CST			0	0		Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
TEXAS, North Panhandle								
Wheeler County								
5 E Shamrock	12	1904CST			0	0		Thunderstorm Wind (G52)
Severe thunderstorms with large hail and high winds occurred across the eastern Texas panhandle during the early evening hours.								
Randall County								
Amarillo	20	1608CST			0	0		Hail (0.75)
Randall County								
Amarillo	20	1610CST			0	0		Hail (0.75)
Potter County								
Amarillo	20	1619CST			0	0		Hail (0.88)
Potter County								
Amarillo	20	1628CST			0	0		Hail (1.00)
Randall County								
Amarillo	20	1630CST			0	0		Hail (0.88)
Randall County								
Amarillo	20	1630CST			0	0		Hail (1.00)
Randall County								
Amarillo	20	1630CST			0	0		Hail (0.88)
Potter County								
Amarillo	20	1635CST			0	0		Hail (0.75)
Randall County								
Amarillo	20	1643CST			0	0		Hail (1.25)
Randall County								
Amarillo	20	1647CST			0	0		Hail (0.75)
Potter County								
Amarillo	20	1648CST			0	0		Hail (0.75)
Deaf Smith County								
18 N Hereford	20	1723CST			0	0		Hail (0.88)
Deaf Smith County								
21.5 N Hereford	20	1808CST			0	0		Hail (0.75)
Deaf Smith County								
19 N Hereford	20	1811CST			0	0		Hail (1.75)
Deaf Smith County								
18 N Hereford	20	1815CST			0	0		Hail (0.75)
Deaf Smith County								
18 N Hereford	20	1817CST			0	0		Hail (1.00)
Deaf Smith County								
19 N Hereford	20	1820CST			0	0		Hail (1.00)
Deaf Smith County								
19 N Hereford	20	1835CST			0	0		Hail (0.75)
Deaf Smith County								
19 NNW Hereford	20	1836CST			0	0		Hail (1.00)
Deaf Smith County								
15 N Hereford	20	1920CST			0	0		Hail (0.75)
Ochiltree County								
13 SE Perryton	20	1922CST			0	0		Hail (1.00)
Hutchinson County								
4 N Pringle	20	1958CST			0	0		Hail (1.00)
Hutchinson County								
4 N Pringle	20	1958CST			0	0		Thunderstorm Wind (G52)
Severe thunderstorms containing large hail and high winds moved across the southwestern and central Texas panhandle during the early evening hours and then up into the northeast Texas panhandle by mid evening.								
Wheeler County								
Shamrock	23	0312CST			0	0		Hail (0.88)
An isolated severe thunderstorm with hail developed over the eastern Texas panhandle during the early morning hours.								
Moore County								
8 NE Dumas	28	1830CST			0	0		Thunderstorm Wind (G61)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
TEXAS, North Panhandle								
Moore County								
6 E Dumas	28	1850CST			0	0		Hail (1.00)
Severe thunderstorms with large hail and high winds developed over the west-central Texas panhandle during the early evening hours.								
TEXAS, Northeast								
Smith County								
5 E Winona	04	1515CST			0	0		Hail (0.75)
Nacogdoches County								
Nacogdoches	07	1800CST 2100CST			0	0		Flash Flood
Streets closed and several residents evacuated resulting from Tropical Storm Allison.								
Sabine County								
Brookeland	07	2215CST 2355CST			0	0		Flash Flood
Flooding along U.S. Hwy 96 north of town closed the highway for several hours.								
Cherokee County								
Ponta	07 08	2225CST 0015CST			0	0		Flash Flood
Numerous county roads were closed due to flooding from Tropical Storm Allison.								
San Augustine County								
Broadus	08	0115CST			0	0		Lightning
The remnants of Tropical Storm Allison led to severe flash flooding over portions of the county. Hwy 147 had to be closed and sever creeks adjacent to highways in town overflowed their banks leading to additional road closures. There were several reports of cars hydroplaning into ditches.								
Angelina County								
Diboll	08	0430CST 0730CST			0	0		Flash Flood
Flash flooding from Tropical Storm Allison resulted in a subdivision evacuation just south of the Lufkin Airport. Several cars were carried off by the rushing water.								
Sabine County								
4 S Hemphill	08	0530CST 0850CST			0	0		Flash Flood
Flash flooding from Tropical Storm Allison resulted in high water over Hwy 87 south of town closing the roadway.								
Nacogdoches County								
Nacogdoches	08	0540CST 0915CST			0	0		Flash Flood
Twenty-two county roads were underwater and closed due to flooding from Tropical Storm Allison.								
Harrison County								
5 N Hallsville	08 09	2130CST 0215CST			0	0		Flash Flood
The remnants of Tropical Storm Allison led to flash flooding over parts of Harrison County on the evening of the 8th. High water was reported over FM450 making the road impassable and numerous other roads contained high water and flooding.								
Red River County								
2 N Clarksville	14	1950CST			0	0		Thunderstorm Wind (G62) M
Trees toppled across Hwy 37.								
Titus County								
Talco	14	2000CST			0	0		Thunderstorm Wind (G62) M
Trees down across the town.								
Bowie County								
De Kalb	14	2015CST			0	0	15K	Thunderstorm Wind (G62)
Roof completely removed from a carport.								
Franklin County								
Winnsboro	14	2030CST			0	0		Thunderstorm Wind (G54)
Several large trees down.								
Franklin County								
Mt Vernon	14	2030CST			0	0		Thunderstorm Wind (G54)
Trees and power lines toppled.								
Morris County								
Daingerfield	14	2030CST			0	0		Thunderstorm Wind (G52)
Several large tree limbs downed throughout the city.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
TEXAS, Northeast							
Wood County							
3 E Quitman	14	2037CST			0	0	Thunderstorm Wind (G54)
		Several large trees down.					
Upshur County							
Gilmer	14	2040CST			0	0	Thunderstorm Wind (G57) M
		Numerous trees down across Blanchard Latex Road.					
Bowie County							
Maud	14	2050CST			0	0	Thunderstorm Wind (G58)
Bowie County							
Redwater	14	2050CST			0	0	Thunderstorm Wind (G62) M
Marion County							
8 W Jefferson	14	2115CST			0	0	Thunderstorm Wind (G62) M
		Several large trees down.					
Harrison County							
Woodlawn	14	2135CST			0	0	Thunderstorm Wind (G58)
		Several large trees down across Hwy 59.					
Titus County							
3 NW Mt Pleasant	27	0150CST			0	0	Hail (0.75)
Morris County							
Daingerfield	27	1425CST			0	0	Hail (1.25)
Wood County							
7 N Hawkins	27	1213CST			0	0	Hail (2.75)
		Thunderstorm remained stationary over the same area for nearly 1 hour. Hail to the size of baseballs for for nearly 40 minutes totally stripping trees and vegetation. No reports of damage to property was received.					
Titus County							
3 NW Mt Pleasant	27	1350CST			0	0	Hail (0.75)
Titus County							
Talco	28	0205CST			0	0	Hail (0.75)
TEXAS, South							
TXZ248>255							
Zapata - Jim Hogg - Brooks - Kenedy - Starr - Hidalgo - Willacy - Cameron							
01	0000CST				0	0	Drought
30	0000CST						
Beneficial rains fell across portions of Deep South Texas, especially during the early and middle parts of the month. However, these rains were neither widespread nor frequent enough to replenish subsoil moisture. Therefore, Deep South Texas continues in a moderate to severe drought. As of the end of June, Amistad reservoir contained only 34 percent of its storage capacity, and Falcon reservoir held only 10 percent of its storage capacity. Since both of these reservoirs are the primary sources of water for the Rio Grande Valley, their storage levels remain a serious concern. Following are some rainfall departures through the end of June: Brownsville reported 4.31 inches below normal, Harlingen reported 3.21 inches below normal, McAllen reported 1.97 inches below normal, and Mercedes reported 2.10 inches below normal.							
Jim Hogg County							
10 W Hebbbronville	07	1430CST			0	0	Hail (0.75)
Jim Hogg County							
2 NW Hebbbronville	07	1438CST			0	0	Thunderstorm Wind (G53)
Zapata County							
9 NW Zapata	07	1530CST			0	0	Thunderstorm Wind (G55)
		Numerous shingles were blown off a home.					
Hidalgo County							
5 N Edinburg	07	1600CST			0	0	Hail (0.75)
		Hail at least the size of dimes was reported by officials at a state prison in Hidalgo County.					
Starr County							
20 N Rio Grande City	07	1635CST			0	0	Thunderstorm Wind (G61)
		Large tree limbs (greater than 2 inches in diameter) were reported down, and 6 roofs were removed from barns.					
Hidalgo County							
Mc Allen	07	1640CST			0	0	Hail (0.75)
		Dime size hail was reported by the Department of Public Safety in McAllen.					
Starr County							
11 N Rio Grande City	07	1650CST			0	0	Thunderstorm Wind (G51) M
		A 59 mph wind gust was measured at the Aerostat site located north of Rio Grande City.					

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>TEXAS, South</u>								
Hidalgo County								
Mc Allen	07	1655CST			0	0		Thunderstorm Wind (G59) ^M
Numerous trees and power lines were reported down in McAllen and across other portions of Hidalgo County, resulting in several damaged cars and the loss of electricity for about 10,000 customers in that area. Several trees blocked Bicentennial Boulevard in McAllen and numerous street lights were out of service for several hours.								
Willacy County								
San Perlita	08	1903CST			0	0		Tornado (F0)
A law enforcement official (trained in storm spotting) from the Willacy County Sheriff's Department reported a tornado touchdown near San Perlita, at the intersection of FM 1420 and Highway 186.								
Zapata County								
5 SE San Ygnacio	14	1725CST			0	0		Thunderstorm Wind (G50)
A 58 mph wind gust was estimated by a rancher at Ramireno Ranch near Zapata.								
Zapata County								
15 N San Ygnacio	14	1750CST			0	0		Hail (0.75)
Nickel size hail was reported by the Zapata County Emergency Manager while driving south on U.S. Highway 83 in northern Zapata County.								
Zapata County								
Zapata	14	2115CST			0	0		Flood
	15	0000CST						
The Zapata County Sheriff reported that U.S. Highway 83 was flooded from the city of Zapata to San Ygnacio, and along State Highway 16 from the city of Zapata to Bustamante.								
Zapata County								
Zapata	24	1815CST			0	0		Thunderstorm Wind (G50) ^M
<u>TEXAS, South Central</u>								
Llano County								
Llano	01	1600CST 1610CST			0	0	0	Hail (0.75)
Blanco County								
1 E Round Mtn	01	1635CST 1636CST			0	0	0	Funnel Cloud
Val Verde County								
Langtry	01	1900CST 1910CST			0	0	0	Hail (0.75)
Dimmit County								
Asherton	14	2015CST 2025CST			0	0	30K	Thunderstorm Wind
Severe thunderstorm winds blew down power lines and trees in the Asherton area.								
Bexar County								
San Antonio	14	2330CST 2340CST			0	0	0	Hail (0.75)
Reported by an off duty NWS observer near Bulverde Rd and Loop 1604.								
Williamson County								
Taylor	21	2230CST 2245CST			0	0	50K	Thunderstorm Wind
Power lines and trees were knocked over by severe thunderstorm winds.								
Llano County								
Tow	23	1900CST 1910CST			0	0	0	Hail (1.75)
Burnet County								
10 NW Burnet to 19 NW Burnet	23	1940CST 1950CST			0	0	0	Hail (1.75)
<u>TEXAS, South Panhandle</u>								
Lubbock County								
Lubbock	01	0410CST 0415CST			0	0		Hail (1.00)
Crosby County								
1 SE Ralls	01	0705CST			0	0		Thunderstorm Wind (G57) ^M
The West Texas Mesonet station southeast of Ralls measured a 66 mph thunderstorm wind gust.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
TEXAS, South Panhandle								
Crosby County								
Ralls	01	0710CST			0	0	20K	Hail (0.75)
Kent County								
5 W Girard	04	1820CST			0	0	10K	Hail (0.75)
Dickens County								
12 SE Spur	04	1833CST			0	0	75K	Hail (1.75)
Dime to golfball size hail was reported by law enforcement officials.								
Kent County								
15 S Jayton	04	2030CST			0	0	100K	Hail (2.00)
Law enforcement officials reported hen egg size hail.								
Stonewall County								
4 E Aspermont	04	2038CST			0	0	25K	Hail (0.88)
Kent County								
5 NW Jayton	04	2230CST			0	0	75K	Hail (1.50)
Hall County								
Turkey	05	1512CST			0	0	30K	Hail (1.00)
Briscoe County								
4 NE Quitaque	05	1514CST 1519CST			0	0		Tornado (F0)
Storm spotters reported a (landspout) tornado in open country east-northeast of town. The tornado was nearly stationary.								
Hall County								
Turkey	05	1532CST 1536CST			0	0	100K	30K Hail (1.75)
Law enforcement officials reported golfball size hail.								
Briscoe County								
2 E Quitaque	05	1607CST			0	0	50K	Hail (1.75)
Storm spotters reported golfball size hail.								
Briscoe County								
Quitaque	05	1614CST			0	0		Hail (1.00)
Briscoe County								
2 SE Quitaque	05	1622CST			0	0	50K	Hail (1.75)
Fire department storm spotters reported golfball size hail.								
Briscoe County								
Quitaque	05	1629CST			0	0		Hail (0.75)
Briscoe County								
1 SE Quitaque	05	1629CST			0	0	50K	Hail (1.75)
Storm spotters reported golfball size hail.								
Motley County								
Flomot	05	1643CST			0	0		Hail (0.75)
Motley County								
5 NE Flomot	05	1707CST			0	0	30K	Hail (1.00)
Floyd County								
10 N Floydada	05	1735CST 1755CST			0	0	10K	Tornado (F0)
A (landspout) tornado was reported over open country by law enforcement storm spotters. The tornado was nearly stationary.								
Motley County								
10 NW Matador	05	1735CST 1801CST			0	0	5K	Tornado (F0)
A (landspout) tornado was reported over open country by storm chasers and local storm spotters. The tornado was nearly stationary.								
Floyd County								
2 NE Dougherty	05	1738CST 1813CST			0	0	10K	Tornado (F0)
A (landspout) tornado was reported over open country by fire department storm spotters. The tornado was nearly stationary.								
Floyd County								
6 W Floydada	05	1750CST 1820CST			0	0	80K	15K Tornado (F1)
A (landspout) tornado was reported by storm spotters near the Sandhill community. The tornado remained nearly stationary over farmland for its entire lifetime, destroying a couple center pivot irrigation systems.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
TEXAS, South Panhandle								
Floyd County								
8 S Barwise	05	1809CST 1815CST			0	0	5K	Tornado (F0)
A (landspout) tornado was reported by storm spotters just east of Allmon. The tornado was nearly stationary and stayed over open country.								
Motley County								
10 W Matador	05	1815CST			0	0	40K	Hail (1.00)
Motley County								
8 W Matador	05	1815CST			0	0	40K	Hail (1.00)
Floyd County								
1 S Floydada	05	1819CST			0	0	100K	Hail (1.75)
Law enforcement officials reported golfball size hail.								
Floyd County								
Floydada	05	1825CST			0	0	75K	75K Hail (1.75)
Law enforcement officials reported golfball size hail.								
Floyd County								
Floydada	05	1828CST			0	0		Hail (1.00)
Floyd County								
Floydada	05	1839CST			0	0	50K	50K Hail (1.75)
Storm spotters reported golfball size hail.								
Floyd County								
Barwise	05	1849CST 1905CST			0	0	150K	Hail (2.75)
Storm spotters reported baseball size hail.								
Floyd County								
Floydada	05	1849CST			0	0	75K	Hail (1.75)
Storm spotters reported golfball size hail.								
Floyd County								
5 W Floydada	05	1859CST			0	0	200K	Hail (2.75)
Fire department storm spotters reported baseball size hail.								
Floyd County								
Floydada	05	1903CST			0	0	50K	75K Hail (1.75)
Fire department storm spotters reported golfball size hail.								
Floyd County								
5 W Floydada	05	1915CST 1925CST			0	0	10K	Tornado (F0)
A (landspout) tornado was reported by a storm chaser over open country. The tornado remained nearly stationary.								
Hall County								
Estelline	14	0010CST			0	0		Hail (0.75)
Lubbock County								
(Lbb)Lubbock Intl Ar	24	1910CST 1917CST			0	0	50K	Hail (1.50)
Lubbock County								
Lubbock	24	1910CST			0	0	3K	Thunderstorm Wind
Thunderstorm wind blew down a tree and destroyed a storage building.								
TEXAS, Southeast								
TXZ215>216								
Jefferson - Orange								
	05	1600CST			0	0		Tropical Storm
	06	0000CST						
Jefferson County								
Beaumont	07	0330CST 0900CST			0	0	10M	Flood
Around ten inches of rain fell in less than six hours, resulting in widespread flooding across northern Jefferson County, including the metropolitan area of Beaumont. Many people awoke to see flood waters in their homes, vehicles, and businesses. Nearly 900 homes were damaged, but only 10 were classified as destroyed. Roads and bridges also received some damage from the flood waters.								
Hardin County								
Lumberton	07	0400CST 0700CST			0	0	500K	Flood

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
TEXAS, Southeast							
Southern sections of Hardin County received between six and ten inches of rain in less than six hours, resulting in almost 40 homes flooded in rural portions of the Sour Lake to Lumberton area.							
Jasper County							
Buna	07	0400CST 0700CST			0 0	500K	Flood
One home was flooded in the Buna area, but significant street and bridge damage occurred across portions of Jasper County as a result of nearly ten inches of rain in less than six hours.							
Newton County							
Deweyville	07	0400CST 0700CST			0 0	50K	Flood
Mainly street and bridge damage occurred in southern sections of Newton County as a result of nearly ten inches of rain in less than ten hours.							
Orange County							
Vidor	07	0400CST 0900CST			0 0	250K	Flood
Nearly 20 homes were damaged in rural sections of Orange County, mainly north of Vidor, after ten inches of rain fell in less than six hours. Some roads and bridges were also damaged.							
Jasper County							
Jasper	07	2000CST 2100CST			0 0	20K	Flood
Around five inches of rain fell in less than an hour, resulting in deep water over Highway 96 on the north side of Jasper. Minor damage to the road occurred.							
Newton County							
Newton	07	2000CST 2100CST			0 0	20K	Flood
Around five inches of rain fell in less than one hour, resulting in deep water across highways north and west of Newton. Minor road damage did occur.							
Tropical Storm Allison caused minor problems along coastal sections of southeast Texas, but eventually resulted in catastrophic flood losses further inland. Wind gusts of 30 to 40 mph resulted in minor roof damage to less than ten homes along the coast in Jefferson County between the evening of June 5th and the early morning hours of June 6th. A two foot storm surge resulted in minor beach erosion and portions of Highway 82 between Sabine Pass and Port Arthur to go under water during high tide during the nighttime high tide of June 5th to 6th. The specific flood events that occurred between June 7th and 9th were a result of the remnants of Tropical Storm Allison, as it meandered across southeast and east Texas.							
Orange County							
Vidor	08	0610CST 0700CST			0 0	50K	Flood
With grounds still saturated from the past several days of rains, an additional three inches of rain resulted in street flooding, as well as several homes having water approach them in Vidor.							
Tyler County							
3 S Spurger	27	1845CST			0 0		Hail (1.75)
Tyler County							
2 S Woodville	29	1250CST			0 0	5K	Thunderstorm Wind
Trees were downed on power lines.							
Orange County							
Mauriceville	29	1315CST			0 0	5K	Thunderstorm Wind
Several trees were blown down.							
TEXAS, West							
Brewster County							
16 E Alpine	07	1304CST			0 0		Hail (0.75)
Scurry County							
Snyder	12	1930CST 1945CST			0 0		Thunderstorm Wind (G61)
Thunderstorm winds resulted in significant wind damage across the northwest portions of the city of Snyder. Three trailer houses had their roofs blown off. Trees with 12 to 14 inch diameter branches were also blown down during the event and damage was reported to a warehouse and sheds near a local daycare center.							
Mitchell County							
Loraine	12	2010CST			0 0		Thunderstorm Wind (G61)
Thunderstorm winds resulted in four tractor -trailers overturning on Interstate 20.							
Reagan County							
Big Lake	23	1517CST			0 0		Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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TEXAS, West

Dime to quarter size hail was reported in the city of Big Lake. This produced some minor roof damage.

Reagan County

Big Lake	23	1517CST			0	0	1K	Thunderstorm Wind
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Minor roof damage and trees blown down.

Glasscock County

10 NE Garden City	23	1902CST			0	0		Hail (1.75)
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Gaines County

15 W Seminole	23	2005CST			0	0		Hail (1.75)
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Gaines County

8 W Seminole	23	2030CST			0	0		Hail (0.75)
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Gaines County

8 SE Loop	23	2105CST			0	0		Hail (0.75)
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Afternoon thunderstorms developed over the mountains of West Texas and Southeast New Mexico and then became severe by evening as they drifted onto the plains. A few of these storms became long lived supercells and produced damaging wind and golfball size hail. The Gaines County Emergency Manager reported that approximately 4000 acres of cotton was destroyed due to wind drive hail in Gaines County with these severe thunderstorms.

TEXAS, Western North

Wichita County

Burkburnett	14	1210CST			0	0		Hail (0.88)
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Clay County

8 NW Petrolia	14	1300CST			0	0		Hail (0.88)
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Wichita County

Wichita Falls	14	1306CST			0	0		Hail (0.88)
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Clay County

Jolly	14	1335CST			0	0		Hail (0.75)
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Clay County

Jolly	14	1450CST			0	0		Hail (0.75)
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Wilbarger County

9 N Harrold	28	1555CST			0	0		Hail (1.75)
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UTAH, East

UTZ023

Eastern Uinta Mountains

02	1330MST	0	0		High Wind (G51)	^M
	2000MST					

Strong gradient winds gusted 45 to 55 mph in portions of northeast Utah. The strongest wind gust recorded was 59 mph at an automated sensor 36 miles northeast of Vernal, Utah.

San Juan County

2 S Monticello	18	0950MST	0	0	2.5K	Dry Microburst
		0952MST				

A microburst struck the south side of Monticello, Utah and threw a 14 foot trampoline up to 25 yards through a 7 foot wooden fence.

UTAH, West and Central

Tooele County

Wendover Arpt	01	1755MST	0	0	0	0	Thunderstorm Wind (G50)	^M
		1900MST						

Thunderstorms produced wind gusts up to 60 mph (52 kts) at the Wendover Airport.

Salt Lake County

Salt Lake No Two Arp	01	2230MST	0	0	0	0	Thunderstorm Wind (G69)	^M
		2245MST						

A line of thunderstorms produced wind gusts of 79 mph (69 kts) at Salt Lake Airport number two. The winds moved some small planes a few feet, but no damage was reported.

Utah County

Provo	02	1530MST	0	0	0	5K	Dry Microburst
		1540MST					

Microburst wind gusts of 72 mph (63 kts) at Provo BYU knocked down small trees and broke some large branches.

Weber County

South Ogden	08	1020MST	0	0	0	0	Dry Microburst
		1025MST					

Dry Microburst wind gusts to 60 mph (52 kts) were recorded in South Ogden. Winds from the same cell knocked over several large tents set up at Hill AFB for an air show.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
UTAH, West and Central									
UTZ005			Great Salt Lake Desert And Mountains/Wendover/Snowville						
	12	1400MST 2000MST			0	0	0	0	High Wind (G73) M
Davis County									
Countywide	12	1430MST 1630MST			0	0	100K	10K	Thunderstorm Wind (G55) M
Salt Lake County									
Countywide	12	1430MST 1630MST			0	1	500K	50K	Thunderstorm Wind (G64) M
Tooele County									
Countywide	12	1430MST 1630MST			0	0	200K	25K	Thunderstorm Wind (G68) M
Utah County									
Countywide	12	1430MST 1630MST			0	0	250K	25K	Thunderstorm Wind (G65) M
A wild and wooly winter-like storm blew into Northern Utah, bringing strong winds and record cold temperatures. The strong cold front brought wind gusts of 84 mph (73 kts) to the west side of the Great Salt Lake. A line of severe thunderstorms developed along the front as it moved into the Wasatch Front. Wind gusts from 60-75 mph were common from Brigham City to Provo, and in the Tooele Valley. Many large trees were downed across the Salt Lake Valley, with roofs and siding damaged as well. Only one minor injury as a boy was hit by a falling tree. Several homes and a few cars were damaged as well by falling trees, and a semi-trailer was turned over on I-80 between Tooele and Wendover. The storm also brought about half-an-inch of snow to the benches of the Wasatch Front, and a few inches in the mountains. A mid-June surprise.									
Beaver County									
Milford Arpt	22	1431MST			0	0	0	0	Dry Microburst
A dry microburst wind gust to 62 mph (54 kts) was measured at the Milford Airport.									
Salt Lake County									
Sandy City	22	1500MST 1600MST			0	0	0	1K	Dry Microburst
Microburst wind gusts to 61 mph (53 kts) knocked over two 40' trees in Sandy.									
Kane County									
Central Portion to East Portion	26	1300MST 1600MST			0	0	0	0	Flash Flood
A torrential downpour caused flash flooding in central and eastern Kane County. A normally dry wash in the Paria River Drainage filled with 8 feet of rushing water in a matter of minutes. Many other dry washes in the area were running full as well. No injuries or damage was reported.									
Sanpete County									
Fairview	26	1700MST			0	1	0	0	Lightning
A 26-year old man was struck by lightning while golfing at a course near Fairview. A medical helicopter transported him to a hospital in Salt Lake City. The lightning bolt reportedly went in through his head and out through his hip. He was treated and later released.									
VERMONT, North and Central									
Franklin County									
Highgate Falls	16	1645EST			0	0			Gusty Thunderstorm Winds
A cold front moved from west to east across Vermont Saturday evening. Thunderstorms preceded and accompanied the front with heavy rain and gusty winds across the county. In Highgate Falls, the wind gusted to 35 mph (30 knots) at 545 PM EDT (445 PM EST).									
Grand Isle County									
Countywide	16	1700EST 1730EST			0	0			Gusty Thunderstorm Winds
A cold front moved from west to east across Vermont Saturday evening. Thunderstorms preceded and accompanied the front with heavy rain and gusty winds across the county. In North Hero, the wind gusted to 28 mph (24 knots) between 6 and 630 PM EDT (5 and 530 PM EST).									
Addison County									
New Haven	30	1230EST			0	0			Gusty Thunderstorm Winds
A weak trough or convergence line moved across Vermont during the afternoon of June 30th. Thunderstorms preceded and accompanied this trough. Winds gusting to 30 MPH (26 Knots) were reported in the town of New Haven.									
Caledonia County									
Groton	30	1400EST			0	0	1K		Lightning
A tree was destroyed by lightning in the Vermont town of Groton.									
Washington County									
Middlesex	30	1400EST			0	0	20K		Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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VERMONT, North and Central

A weak trough or convergence line moved across Vermont during the afternoon of June 30th. Thunderstorms preceded and accompanied this trough line. A few of the storms were accompanied by strong winds. In the Vermont town of Middlesex, numerous trees were either blown down or snapped. Structural damage to a shed was reported as well as a number of power outages.

Rutland County

Countywide

30 1430EST 0 0 5K Lightning
1500EST

Numerous trees were struck by lightning and damaged. Power outages also reported due to lightning strikes. Most damage occurred in and around Rutland.

Windsor County

Norwich

30 1612EST 0 0 Small Hail

A weak trough or convergence line moved across Vermont during the afternoon. Thunderstorms preceded and accompanied this trough line. In the Vermont town of Norwich, pea size hail was reported along with heavy rain and gusty winds around 512 PM EDT (412 PM EST).

VERMONT, South

Windham County

Athens

20 1610EST 0 0 Hail (1.00)

Windham County

Grafton

20 1730EST 0 0 Hail (0.88)

A cold front, pressing into a very unstable warm humid airmass, produced scattered severe thunderstorms across Windham County Vermont on the afternoon of June 20. A thunderstorm cell dropped quarter size hail (1.00 inch) at Athens while another dropped nickel size (0.88 inch) hail on Grafton.

Windham County

Brattleboro

30 1444EST 0 0 20K Thunderstorm Wind

A weak trough rippling through a very unstable air mass, touched off a round of thunderstorms in southern Vermont during the afternoon of June 30. One of the storms became severe in Windham County. Thunderstorm winds brought a large tree and wires down in Brattleboro.

VIRGIN ISLANDS

NONE REPORTED.

VIRGINIA, East

Mecklenburg County

3 NE South Hill

01 1450EST 0 0 Hail (0.75)

New Kent County

4 N Quinton

01 1740EST 0 0 Flash Flood

Five inches of rainfall and high water reported by spotter.

Henrico County

East Portion

01 1750EST 0 0 Flash Flood

High water eastern portion of the county. Several roads closed.

Hanover County

East Portion

01 1755EST 0 0 Flash Flood

Several reports of high water in the eastern portion of the county.

Chesterfield County

Chesterfield

01 1800EST 0 0 Flash Flood

Several roads closed.

King William County

King William

01 1810EST 0 0 Flash Flood

Road flooded/closed.

Suffolk (C)

Suffolk to Nansemond Shrs

01 1910EST 0 0 15K Tornado (F1)
1920EST

A tornado touched down near Jackson Road about 810 PM. The damage path for this tornado was approximately 100 feet wide. The tornado skipped up and down for about a mile along a path to the northeast of Turlington Road. It uprooted a number of trees and took shingles off roofs. The tornado became a funnel cloud and then touched down again around 815 PM just south of Sleepy Hole Road and passed through a part of Sleepy Hole Golf Club. The tornado continued north northeast through Chatham Woods with extensive damage along Burning Tree Lane. The total path length in the northern part of the county was about 1 mile. The width at its widest point was about 100 yards. Numerous trees were destroyed and a number of houses lost siding and some roofing material.

Lunenburg County

Victoria

05 1930EST 0 0 2K Thunderstorm Wind

Trees down.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage	Crops	Character of Storm
VIRGINIA, East								
Mecklenburg County								
Chase City to South Hill	05	1950EST 2000EST			0	0	2K	Thunderstorm Wind
	Trees down.							
Hanover County								
4 W Ashland	06	1550EST			0	0		Hail (0.75)
Henrico County								
Short Pump	06	1605EST			0	0		Hail (0.75)
Richmond (C)								
Richmond	06	1610EST			0	0		Hail (0.75)
Henrico County								
5 SE Short Pump	06	1615EST			0	0	3K	Thunderstorm Wind
	Trees and power lines down.							
Henrico County								
Glen Allen	06	1625EST			0	0		Hail (1.00)
Henrico County								
4 SE Short Pump	06	1640EST			0	0	2K	Thunderstorm Wind
	Trees down.							
Richmond (C)								
Richmond	06	1640EST			0	0	2K	Thunderstorm Wind
	Trees down.							
Charles City (C)								
Charles City	06	1710EST			0	0	2K	Thunderstorm Wind
	Trees down across Lewis Tyler Road.							
Richmond (C)								
Richmond	06	1730EST			0	0		Flash Flood
	I-95 north bound closed at Broad Street underpass where 2 feet of water covered the roadway.							
Charles City (C)								
2 S Barnetts	06	1740EST			0	0	1K	Thunderstorm Wind
	Numerous large tree limbs down.							
Chesterfield County								
4 E Chester	06	1740EST			0	0	2K	Thunderstorm Wind
	Trees down across Enon Church Road.							
Prince George County								
3 W New Bohemia	06	1756EST			0	0	2K	Thunderstorm Wind
	Trees down across Birdsong Road.							
Henrico County								
Laurel to Yellow Tavern	15	1545EST 1555EST			0	0	5K	Tornado (F0)
	Several trees down and some damage to Bank of American Building.							
Suffolk (C)								
Whaleyville	16	0930EST			0	0		Flash Flood
	Flooding reported near Whaleyville. One street closed.							
Isle Of Wight County								
Windsor	16	1000EST			0	0		Flash Flood
	Knoxville Road, Rose Drive, and numerous other secondary roads impassable around Windsor.							
Brunswick County								
2 S Triplet	22	1840EST			0	0	2K	Thunderstorm Wind
	Trees down across county Route 600.							
Nottoway County								
3.5 N Blackstone	22	1915EST			0	0		Hail (0.88)
Prince George County								
2 N Prince George	22	1955EST			0	0		Hail (0.75)
Prince George County								
5 N Prince George	22	2000EST			0	0	2K	Thunderstorm Wind
	One 3 foot diameter tree and several smaller trees down in Cedar Creek Subdivision.							
Henrico County								
2 SE East Highland Pa	22	2040EST			0	0	2K	Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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VIRGINIA, East

Trees down near Laburnum Avenue and Creighton Road.

VIRGINIA, Extreme Southwest

Lee County

Ewing	04	1810EST			0	0	12K	Thunderstorm Wind
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Trees down.

Lee County

Dryden	04	1810EST			0	0	15K	Thunderstorm Wind
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Trees down.

Washington County

5 S Abingdon	14	1600EST			0	0	20K	Thunderstorm Wind
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Numerous trees down.

Lee County

5 E Pennington Gap	20	1745EST			0	0	18K	Thunderstorm Wind
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Trees down on Highway Alternate 58.

Washington County

Abingdon to Glade Spg	22	1520EST			0	0	15K	Thunderstorm Wind
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Trees down.

Bristol (C)

Bristol	25	1730EST			0	0	1K	3K	Thunderstorm Wind
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Four trees down on a power line.

Scott County

Ft Blackmore	25	1730EST			0	0	7K	Thunderstorm Wind
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Several trees down over the northern part of the county.

Bristol (C)

2 NW Bristol	25	1740EST			0	0	14K	Thunderstorm Wind
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Trees down.

Wise County

Big Stone Gap to Coeburn	25	1800EST 1815EST			0	0	15K	Thunderstorm Wind
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Numerous trees down.

Norton (C)

Norton	25	1805EST			0	0		Hail (0.88)
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Wise County

Wise	25	1825EST			0	0	8K	Thunderstorm Wind
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Several trees down.

Scott County

Dungannon	29	1650EST			0	0	14K	Thunderstorm Wind
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Several trees down.

VIRGINIA, North

Albemarle County

Countywide	05	1630EST 1800EST			0	0		Heavy Rain
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Route 20 was flooded by heavy downpours.

Nelson County

Countywide	05	1630EST 1800EST			0	0		Heavy Rain
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A truck hydroplaned on a flooded roadway and landed in a swollen creek.

Waynesboro (C)

Waynesboro	05	1630EST 1800EST			0	0		Heavy Rain
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Roadway flooding was reported.

Augusta County

Dooms	05	1700EST			0	0		Lightning
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Lightning sparked a garage fire.

Augusta County

East Portion	05	1700EST			0	0		Lightning
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A power transformer was damaged by lightning.

Storm Data and Unusual Weather Phenomena

June 2001

								June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm	
<u>VIRGINIA, North</u>								
Waynesboro (C)								
Waynesboro	05	1700EST			0	0	0.50K	Thunderstorm Wind
A power line was downed.								
Nelson County								
Countywide	05	1745EST			0	0	0.50K	Thunderstorm Wind
A tree was downed onto Wilson Road.								
Nelson County								
Faber	05	1745EST			0	0	100K	Lightning
A lightning fire destroyed a home.								
Albemarle County								
Keene	05	1750EST 1800EST			0	0	5K	Thunderstorm Wind
Trees were downed about 10 to 15 miles from Keene.								
Thunderstorms with heavy rainfall, gusty winds, and frequent lightning moved through the southern Shenandoah Valley during the evening of the 5th. In Augusta County, a power transformer was damaged by lightning resulting in the loss of power to 4600 residents. Another bolt started a garage fire near Dooms. In Waynesboro, a felled tree branch downed a power line. Heavy downpours flooded city streets. In Albemarle County, high winds downed trees between 10 and 15 miles from Keene. Pea sized hail was reported near Charlottesville. Heavy downpours flooded low lying areas and Route 20 was covered in water. In Nelson County, high winds downed a tree on Wilson Road. Heavy downpours caused small creeks to overflow their banks briefly. A trucker who drove across a flooded roadway hydroplaned and his vehicle flipped into a creek. No injuries were reported. A home in the Faber area was hit by lightning and the ensuing fire burned the structure to the ground.								
Greene County								
Southeast Portion	06	1300EST 1430EST			0	0		Heavy Rain
Harrisonburg (C)								
Harrisonburg	06	1413EST			0	0	2K	Thunderstorm Wind
Power lines were downed.								
Rockingham County								
Port Republic	06	1415EST			0	0	2K	Thunderstorm Wind
Power lines were downed.								
Page County								
5 E Shenandoah	06	1430EST			0	0	20K	Thunderstorm Wind
A microburst estimated at 60-70 MPH damaged a home, carport, shed, car, and trees.								
Scattered thunderstorms moved across the central Shenandoah Valley between 300 and 530 PM EDT on the 6th. One storm that moved across Rockingham and extreme southern Page County produced winds in excess of 55 MPH. In Rockingham County, power lines were downed in Harrisonburg and Port Republic. In Page County, a microburst of wind estimated between 60 and 70 MPH damaged several buildings in Jollett Hollow about 5 miles east of Shenandoah. The wind damage began at a small clearing adjacent to Jollett Road (Route 759) just south of Naked Creek Baptist Church. The damage path continued northeast onto private property where part of a roof was blown off a home and a car port was removed from its foundation. Pieces of the structure were thrown east about 100 yards onto the roof of a home. Several trees were uprooted and several outbuildings were destroyed nearby. In Greene County, heavy downpours caused low water crossings on Route 616 and 607 to flood in the southeast portion of the county.								
VAZ025>031-036>042-050>057								
Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George								
	12	1200EST			0	0		Excessive Heat
	13	1800EST						
High pressure in combination with southerly winds brought hot, hazy, and humid conditions to the Mid Atlantic region between June 12th and 13th. High temperatures soared to around 90 degrees and heat indices reached near 100 degrees through the period. At Arlington National Cemetery, eight 14-year-old tourists were overcome by the heat and humidity during the afternoon of the 12th. Two students had to be treated at an area hospital and six others were treated on-site.								
Rockingham County								
West Portion	13	1200EST 1430EST			0	0		Heavy Rain
A thunderstorm with heavy rainfall remained over the western portion of Rockingham County between 100 and 330 PM. A bit of water covered area roads after the downpour. On Dundore Mountain 2.13 inches of rain fell in one hour and by the end of the storm 3.29 inches had accumulated. A total of 2.00 inches was reported at Briery Branch.								
Frederick County								
Southwest Portion	20	1615EST			0	0		Lightning
A house caught fire after being hit by lightning.								

Storm Data and Unusual Weather Phenomena

June 2001

								June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm	
<u>VIRGINIA, North</u>								
Frederick County								
Middletown	20	1620EST			0	0	0.50K	Thunderstorm Wind
Electrical wires were downed onto Main Street.								
Warren County								
Front Royal	20	1640EST			0	0	1K	Thunderstorm Wind
Several trees were downed.								
Madison County								
2 N Madison	20	1945EST			0	0	0.50K	Thunderstorm Wind
Two trees were downed onto Route 231.								
Greene County								
1 E Standardsville	20	2000EST			0	0		Hail (1.00)
Quarter sized hail fell.								
Albemarle County								
4 SE Crozet	20	2020EST			0	1		Lightning
A man talking on a cordless telephone in a basement was struck by lightning.								
Albemarle County								
West Portion	20	2100EST 2145EST			0	0	5K	Thunderstorm Wind
Downed trees and utility lines blocked roads.								
Charlottesville (C)								
Charlottesville	20	2100EST 2145EST			0	0	5K	Thunderstorm Wind
Trees and power lines were downed.								
Scattered thunderstorms that produced damaging winds, hail, and frequent lightning moved through the area between 5 and 11 PM EDT on the 20th. In Frederick County, high winds downed electrical wires onto Main Street in Middletown. Between Middletown and Stephens City, a house on Meeting House Drive caught on fire after being struck by lightning. In Warren County, several trees were downed in Front Royal. A wind gust of 47 MPH was recorded at Catlett Mountain Road just southwest of town. In Madison County, two trees were downed across Route 231. In Greene County, quarter sized hail fell just east of Standardsville.								
In Albemarle County, trees and power lines were downed onto roads from the city of Charlottesville westward. The Crozet, White Hall, Ivy Road, and Mount Eagle areas reported power outages. A lightning strike 8 miles west of Charlottesville struck a telephone wire outside a home, traveled inside the structure and struck a young man inside. The man was in his basement talking on a cordless phone when he was struck and was momentarily knocked unconscious. He woke up on the basement floor on his back and his damaged phone was found 5 feet away. The victim had trouble breathing when he regained consciousness and his ear hurt. He suffered short term memory loss up to 3 weeks after the accident. It is believed the victim was struck by the bolt as it passed through pipes in the basement floor.								
Augusta County								
Countywide	21	1830EST 2100EST			0	0		Heavy Rain
Nelson County								
Countywide	21	1830EST 2100EST			0	0		Heavy Rain
A total of 2.99 inches of rain fell in one hour at Montebello Fish.								
Page County								
Countywide	21	1830EST 2100EST			0	0		Heavy Rain
Shenandoah County								
South Portion	21	1925EST 1935EST			0	0	10K	Thunderstorm Wind
Numerous trees were downed.								
Shenandoah County								
Countywide	21	1930EST 2230EST			0	0		Flash Flood
Several roads were flooded.								
Rockingham County								
2 N Grottoes	21	2000EST			0	0	20K	Thunderstorm Wind
Most of the tin roof of a mobile home was ripped off and trees were downed.								
Albemarle County								
Northeast Portion	21	2030EST			0	0	5K	Thunderstorm Wind
Utility lines were downed onto Proffit Road.								

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
VIRGINIA, North							
Warren County							
2 SW Front Royal	21	2149EST			0	0	2K Thunderstorm Wind
							Trees were downed and an aircraft was damaged.
Orange County							
Countywide	21	2230EST			0	0	Flash Flood
	22	0100EST					
							Roads were flooded in the town of Orange.
							Thunderstorms that produced damaging winds and very heavy downpours moved across northern Virginia between 7 PM EDT on the 21st through 2 AM EDT on the 22nd. In Shenandoah County, numerous trees were downed in the southern portion of the county, including the community of Conicville. High winds ripped three quarters of a tin roof off a mobile home on Port Republic Road north of Grottoes. The remains of the tin roof were rolled into a ball and thrown 50 feet from the structure. A few trees were downed near the home but neighbors nearby did not report any damage. Heavy downpours flooded portions of Routes 611, 701, 724, 691, 672, 675, 1419, 667, 663, and 600. The Shenandoah River and Stoney Creek overflowed their banks in a few locations. A total of 3.04 inches of rain was reported at Jerome Gap. In Warren County, a wind gust of 53 MPH was recorded on Catlett Mountain Road. Trees were downed in the vicinity and a plane was damaged at the Warren County Airport nearby. In Page County, 3.67 inches of rain was reported at Rocky Branch, 2.14 inches was reported at Skyland, and 2.05 inches fell at Ida. In Augusta County, a total of 3.94 inches of rain fell at Montebello and 2.86 inches fell at Tom's Branch. In Nelson County, 2.87 inches of rain was recorded at Montebello Fish in 60 minutes. By the end of the storm the total grew to 3.70 inches. In Albemarle County, high winds downed utility lines on Proffit Road near Polo Grounds Road. Power outages were reported in Charlottesville. In Orange County, heavy rainfall flooded roads in the town of Orange. Between the 20th and 22nd, portions of the county received up to 4 inches of rain.
Winchester (C)							
Winchester	22	1300EST			0	0	Heavy Rain
		1530EST					
Frederick County							
Gainesboro	22	1315EST			0	0	Hail (0.75)
							Dime sized hail was reported 6 miles northwest of Winchester.
Frederick County							
5 S Gore	22	1315EST			0	0	Lightning
							An emergency services transmitter on North Mountain was knocked off line by lightning.
Frederick County							
3 SW Hayfield	22	1330EST			0	0	Lightning
							Two homes were damaged by lightning.
Frederick County							
Countywide	22	1430EST			0	0	Flash Flood
		1800EST				400K	
							Shawneeland's only access road was washed out, numerous roads were flooded, Back Creek and Hogue Creek overflowed, and the Camp Rock Enon area was evacuated.
Clarke County							
Countywide	22	1500EST			0	0	Heavy Rain
		1700EST					
Culpeper County							
West Portion	22	1530EST			0	0	2K Thunderstorm Wind
							Two trees were downed.
Shenandoah County							
Countywide	22	1530EST			0	0	Flash Flood
		2300EST				600K	
							Water rose rapidly on several waterways, a propane tank was washed away, a home was washed off its foundation, numerous roads and bridges were flooded or washed out, and 7 people were evacuated.
Warren County							
Northwest Portion	22	1550EST			0	0	Flash Flood
		1700EST					
							Morgan's Ford Road and Route 55 were closed by flood waters.
Fauquier County							
Marshall	22	1605EST			0	0	1K Thunderstorm Wind
							Trees were downed.
Nelson County							
Lovington	22	1645EST			0	0	Flash Flood
		1800EST					
							Roads near Nelson County High School were flooded.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
VIRGINIA, North								
Loudoun County								
Countywide	22	1655EST 2359EST			0	0	200K	Flash Flood
								Numerous roads and waterways flooded, a roof partially collapsed, and three swift water rescues were reported.
Loudoun County								
Ashburn	22	1715EST			0	0		Hail (0.80)
								Hail greater than dime size was reported.
Loudoun County								
Arcola	22	1730EST			0	0	75K	Thunderstorm Wind
								Hundreds of trees were uprooted or snapped, six houses were damaged, and four barns/machine sheds were severely damaged or destroyed.
Loudoun County								
4 W Ashburn	22	1730EST			0	0	0.50K	Thunderstorm Wind
								Power lines were downed onto Belmont Ridge Road.
Rockingham County								
North Portion	22 23	1730EST 0100EST			0	0	500K	Flash Flood
								The north fork of the Shenandoah River at Cootes Store rose 8 feet in 4 hours. Rapid flooding on Runion Creek and Fulks Run damaged a significant amount of private property, forced 20 evacuations, closed numerous roads, and trapped several people in their homes. Several trees, telephone poles, and power lines were downed along these waterways.
Falls Church (C)								
Falls Church	22	1900EST 2000EST			0	0		Heavy Rain
Manassas (C)								
Manassas	22	1900EST 2100EST			0	0		Heavy Rain
Manassas (C)								
Manassas	22	1909EST			0	0		Hail (1.00)
								Quarter sized hail was reported.
Fairfax County								
Springfield	22	1930EST			0	0		Lightning
								Two homes caught fire after being hit by lightning.
Prince William County								
Countywide	22	2000EST 2100EST			0	0		Flash Flood
								Many roads were flooded.
Fairfax County								
Countywide	22 23	2010EST 0230EST			0	0	25K	Flash Flood
								Two regional parks were damaged by flooding. About 100 campers were threatened by rising water and cars in the campground were damaged by flooding.
Arlington County								
Arlington	22	2100EST 2200EST			0	0		Flash Flood
								Glebe Road was flooded.

During the afternoon of the 22nd, numerous showers and thunderstorms developed just east of the Appalachian Mountains. The storms trained to the North-Northeast along the mountain ridges before moving very slowly east through midnight. These storms contained very heavy rainfall, large hail, frequent lightning, and occasionally produced high winds. Widespread flooding was reported in several locations and the storms were responsible for over a million dollars in damaged across Northern Virginia. In Frederick County, the worst flash flooding occurred across the western portion of the county. The hardest hit areas were in the Back Creek and Hogue Creek watersheds between Gore and Shawneeland where rainfall estimates were as high as 6 inches. Camp Rock Enon near Gore had to be evacuated when Back Creek started to flood the property and Back Creek Road. Highways closed or damaged by floodwaters included Route 50 between 615 and 614, 600, 613, 612, 704, 603, 679, 608, and 617. The only access road to the Shawneeland development which contains over 600 homes was washed out when Wolf Spring, Keckey, and Bucher Runs overflowed. Boulders weighing as much as 200 pounds and 36-inch culverts were washed more than a quarter mile downstream from the access road. Due to the extent of countywide damage and road closures, a state of emergency was declared. A total of 2.21 inches of rain was reported in Gore. Dime sized hail was reported 6 miles northwest of Winchester on Route 522. In addition, two homes in Shawneeland were damaged by lightning. An emergency communications tower on North Mountain was also struck and disabled by lightning.

In Shenandoah County, severe flooding was reported after as much as an estimated 6 inches of rain fell. Over half a million dollars in

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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VIRGINIA, North

damage was reported to roads and bridges across the county. Numerous communities were affected by flooding including Mt. Jackson, Boyce, Orkney, Mt. Clifton, Rinkerton, Macanie, and Woodstock. Waterways including the Shenandoah River, Stoney Creek, Swover Creek, and Mill Creek rose rapidly during and after the heavy rainfall. A house, outbuilding, and shed along Mill Creek near Route 263 were washed away and another house had its front porch removed. Four unoccupied cars were also washed downstream. Several acres of crops along the river were flattened and topsoil was washed away. Seven people in the area were evacuated and several homes reported flood damage. A propane tank was washed 100 yards down Mill Creek west of Mt. Jackson. Roads closed or damaged by floodwaters included Senedo Road, Routes 611, 691, 698, 701, 716-724, 729, and Route 263 between Routes 42 and 725. A total of 3.60 inches of rain was reported in Strasburg.

In Rockingham County, numerous roads and bridges were either flooded or washed out by flash flooding. Hardest hit areas were along Fulks Run between the communities of Bergton and Broadway where 20 evacuations took place. The Hanging Rock, Chimney Rock, and the Runions Creek area were also affected by flooding. Damage reports included one destroyed mobile home, numerous washed out private bridges and roads, parked cars washed into the river, and the bridge on Route 259 across Runions Creek at the North Fork of the Shenandoah River being completely washed away. The pavement was removed on Runions Creek Road (Route 612) isolating over 600 residents. Twenty evacuations took place along Runions Creek. Other flooded or damaged roads included Routes 259 and 42. Rainfall reports included a radar estimate of 6 inches in the Fulks Run basin, 3.50 inches between Burgess and Highview and 2.95 inches at Cootes Store.

In Warren County, Morgan's Ford Road and Freezeland Road were flooded in the northwest portion of the county. A total of 3.77 inches was recorded in Nineveh. In Loudoun County, heavy rain flooded roads so quickly that three people had to be rescued by boat from their cars. Roads affected by flooding included Route 7, Route 663, Route 15 at Route 662, Route 50, Lawson Road, Old Ox Road (Route 606), Goshen Road, Forest Mill Road, Ashburn Road, Waxpool Road, and Belmont Ridge Road (Route 659). Several basements and low lying areas were also flooded. Limestone Branch, Broad Run, and Tuscarora Creek overflowed their banks. The rapidly rising water downed trees and flooded property and roads along the waterways. A spotter in Ashburn reported 5.10 inches of rainfall in 90 minutes in addition to pea to dime sized hail. A spotter in Arcola estimated up to 8 inches of rain fell in two hours. Additional totals included 5.94 inches near Ashburn, 4.70 inches in Ashburn Farm, 4.04 inches in Leesburg, 3.78 inches at the National Weather Service in Sterling, 3.25 inches in Sterling Park, and 2.09 inches at Dulles International Airport. Heavy rainfall that collected on the roof of the Sheriff's office in Leesburg was so heavy it caused a portion of the roof to collapse. A 60 MPH wind gust was estimated in Ashburn Farm where a few trees were uprooted or snapped. Near Arcola, winds estimated between 60 and 70 MPH downed power lines and hundreds of trees, damaged 6 homes, and destroyed 4 barns/machine sheds. The hardest hit areas were along Evergreen Mills and Belmont Ridge Roads, but downed trees were found across an area stretching from Route 606 to 621.

In Fairfax County, water covered Route 7 between Reston Parkway and Route 193. Difficult Run overflowed its banks in the Great Falls area. Two parks located in the southwest portion of the county were flooded after Bull Run and Cub Run overflowed. A campground in Bull Run Regional Park on the Prince William county line was inundated with water from Cub Run. Over 70 campers evacuated when they saw the water rising but a group of 25 scouts that were asleep and unaware of the flooding were awakened after water seeped into their tents after midnight. The group moved to higher ground and had to wait a few hours until the water receded enough to make a rescue possible. Five to seven cars in the campground parking lot were damaged by flooding. Rainfall totals included 3.80 inches in Centreville, 3.45 inches in Reston, 3.25 inches in Clifton, 2.40 inches in Herndon, and 2.34 inches in Great Falls. A home in Springfield was damaged by a lightning fire. In Arlington County, Glebe Road was flooded in Arlington. In Falls Church, 2.23 inches of rain was recorded. In Prince William County, several roads were flooded. A total of 2.68 inches fell in Manassas where quarter sized hail was also reported. In Fauquier County, high winds downed trees in the Marshall area. A wind gust of 40 MPH was estimated in Opal. Pea sized hail fell near Warrenton. In Culpeper County, two trees were downed by high winds in the western portion of the county. In Nelson County, roads near Nelson County High School in Lovingston were flooded. Rainfall totals included 4.98 inches at Montebello Fish and 2.85 inches in Lovingston.

VAZ025>031-036>042-050>057 Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George

27	1200EST	0	0	Excessive Heat
30	1800EST			

High pressure in combination with southerly winds brought hot, hazy, and humid conditions to the Mid Atlantic region between June 27th and 30th. High temperatures soared into the lower 90s and heat indices reached into the lower 100s through the period.

Fauquier County Countywide

30	1440EST	0	0	10K	Thunderstorm Wind
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Trees were downed onto roads and a house.

Loudoun County Countywide

30	1500EST 1630EST	0	0	Heavy Rain
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Frederick County Stephens City

30	1525EST	0	0	0.50K	Thunderstorm Wind
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Two trees were downed.

Scattered thunderstorms with heavy rainfall and damaging winds moved across northern Virginia between 3 and 5 PM EDT on the

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

VIRGINIA, North

30th. In Loudoun County, a 43 MPH wind gust was reported at the Leesburg Airport. A small tree was downed in the northeast part of town. A spotter in Leesburg reported 2.5 inches of rainfall in less than an hour. In Frederick County, two 6 inch diameter trees were downed in Stephens City. In Fauquier County, trees were downed onto a home on Morgansburg Road. Several other trees were downed onto roads nearby. In Rappahannock County, a 43 MPH wind gust was reported in Castleton.

VIRGINIA, Northwest

NONE REPORTED.

VIRGINIA, Southwest

Carroll County

Central Portion	04	1115EST		0	0	0	Thunderstorm Wind
		1125EST					

Thunderstorm winds during the midday of the 4th downed trees and tree limbs across central Carroll County.

Halifax County

Nathalie	04	2255EST		0	0		Hail (0.88)
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Thunderstorms during the late evening of the 4th produced hail up to nickel size.

Carroll County

Hillsville	05	1542EST		0	0		Hail (0.88)
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Carroll County

Hillsville	05	1615EST		0	0	0	Thunderstorm Wind
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Bedford (C)

Bedford	05	1630EST		0	1	0	Thunderstorm Wind
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Bedford (C)

Bedford	05	1645EST		0	0		Hail (0.88)
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Amherst County

5 NW Amherst	05	1700EST		0	0	0	Thunderstorm Wind
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Rockbridge County

Natural Bridge	05	1710EST		0	0	0	Thunderstorm Wind
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Bedford County

5 SW Bedford City	05	1725EST		0	0		Hail (0.88)
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Bedford (C)

Bedford	05	1725EST		0	0		Hail (0.88)
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Rockbridge County

Fairfield	05	1729EST		0	0	0	Thunderstorm Wind
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Campbell County

North Portion	05	1745EST		0	0	0	Flash Flood
		1945EST					

Campbell County

Timberlake	05	1745EST		0	0		Flash Flood
		1845EST					

Lynchburg (C)

Lynchburg	05	1750EST		0	0	0	Flash Flood
		1845EST					

Botetourt County

4 NW Fincastle	05	1800EST		0	0	0	Flash Flood
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Campbell County

4 SE Rustburg	05	1800EST		0	0	0	Thunderstorm Wind
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Craig County

2.5 NE Marshalltown	05	1800EST		0	0	10K	Flash Flood
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Amherst County

3 N Madison Hgts	05	1810EST		0	0	0	Thunderstorm Wind
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Appomattox County

Appomattox	05	1815EST		0	0	0	Thunderstorm Wind
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Bedford County

Montvale to Forest	05	1815EST		0	0	0	Flash Flood
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Charlotte County

2 E Phenix	05	1820EST		0	0	0	Thunderstorm Wind
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Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
<u>VIRGINIA, Southwest</u>							
Charlotte County							
Keysville	05	1910EST			0	0	Thunderstorm Wind
Pulaski County							
Pulaski	05	1915EST			0	0	Thunderstorm Wind
Appomattox County							
1 W Appomattox	05	1930EST 2015EST			0	0	Flash Flood
Pulaski County							
Dublin	05	1935EST			0	0	Thunderstorm Wind
Halifax County							
Nathalie	05	2255EST			0	0	Hail (0.88)
Thunderstorms during the afternoon and evening of the 5th produced hail up to nickel size, flash flooding, and damaging winds.							
Thunderstorms winds downed trees on Route 52 in Hillsville, Route 669, three miles north of Madison Heights, Route 11 in Fairfield, 4 miles southeast of Rustburg, 2 miles east of Phenix, 5 miles northwest of Amherst, and in Natural Bridge, Appomattox, Pulaski, Dublin, and Keysville. Thunderstorm winds downed trees in Bedford. A tent was also blown over in Bedford, resulting in minor injuries to a photographer.							
Heavy thunderstorm rains caused Dreaming Creek to flood Route 460 in Lynchburg, caused several creeks to flood in northern Campbell County, washed out part of a road 2 1/2 miles northeast of Marshalltown, caused Border Creek to flood Route 666, four miles northwest of Fincastle, flooded the intersection of routes 719 and 691, one mile west of Appomattox, and flooded streets in Timberlake.							
Heavy thunderstorm rains also caused roads to be flooded in several areas from Montvale to Bedford and to Forest.							
Franklin County							
Snow Creek	10	1600EST			0	0	50K Lightning
Lightning struck a mobile home, starting a fire that destroyed the home and its contents.							
Giles County							
3 NE Pembroke	13	1210EST 1430EST			0	0	Flash Flood
Giles County							
1 NE Pembroke	13	1300EST 1400EST			0	0	Flash Flood
Bath County							
Countywide	13	1515EST			0	0	Thunderstorm Wind
Bath County							
Warm Spgs	13	1530EST			0	0	10K Flash Flood
Halifax County							
Virgilina	13	1830EST			0	0	5K Thunderstorm Wind
Thunderstorms during the afternoon of the 13th produced damaging winds and heavy rain that resulted in flash flooding.							
Heavy rains caused Little Stony Creek to flood 3 miles northeast of Pembroke, requiring several people to be rescued. Little Stony Creek also flooded onto Route 623, one mile northeast of Pembroke, and heavy thunderstorm rains also washed out a road in Warm Springs.							
Thunderstorm winds downed trees across Bath County, and a large tree onto a house in Virgilina, causing minor damage to the roof.							
Floyd County							
2 W Check	21	1245EST			0	0	Thunderstorm Wind
Floyd County							
3 SW Check	21	1245EST			0	0	Thunderstorm Wind
Amherst County							
1 NW Amherst	21	1910EST			0	0	Thunderstorm Wind
Amherst County							
Madison Hgts	21	1915EST			0	0	50K Lightning
Amherst County							
Monroe	21	2010EST 2020EST			0	0	Thunderstorm Wind
Lynchburg (C)							
Lynchburg	21	2020EST			0	0	15K Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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VIRGINIA, Southwest

Amherst County

Monroe

21 2030EST **0 0 0** **Thunderstorm Wind**
Thunderstorms during the afternoon and evening of the 21st produced damaging winds and damaging lightning.

Thunderstorm winds downed trees onto route 686, 2 miles west of Check, onto Route 682, three miles southwest of Check, onto Route 60, 1 mile northwest of Amherst, and downed numerous trees in Monroe. Trees were downed in Monroe a second time during a later storm. Trees were also downed in Lynchburg, one damaging a house roof.

Lightning struck a church in Madison Heights, starting a fire that destroyed the roof and damaged the interior.

Bedford County

Goode

22 1605EST **0 0** **Hail (0.75)**

Franklin County

Endicott

22 1615EST **0 0 0** **Thunderstorm Wind**

Franklin County

Ferrum

22 1618EST **0 0 0** **Thunderstorm Wind**

Franklin County

3 SW Snow Creek

22 1640EST **0 0 0** **Thunderstorm Wind**

Amherst County

Amherst

22 1800EST **0 0 15K** **Lightning**

Bedford County

6 E Bedford City

22 1800EST **0 0** **Flash Flood**
1900EST

Lynchburg (C)

Lynchburg

22 1800EST **0 0** **Flash Flood**
1900EST

Amherst County

Amherst

22 1815EST **0 0** **Flash Flood**
1915EST

Thunderstorms in the afternoon of the 22nd produced damaging winds, flash flooding, hail up to dime size, and damaging lightning.

Thunderstorm winds downed trees in Endicott, and 3 miles southwest of Snow Creek, and toppled power poles in Ferrum.

Heavy thunderstorm rain caused the Otter River to flood and close the Otter River Bridge, 6 miles east of Bedford, flooded and closed Hollins Mill Road in Lynchburg, and flooded Route 60 in Amherst.

Lightning struck the Amherst Operations Plant damaging several parts of the system.

Grayson County

1 N Rugby

25 2035EST **0 0** **Flash Flood**
2130EST

Grayson County

Rugby

25 2040EST **0 0** **Flash Flood**
2200EST

Thunderstorms during the evening of the 25th produced flash flooding.

Heavy thunderstorm rains caused small streams and creeks in Rugby to flood, and caused Wilson Creek to flood Route 58 with 1 to 2 feet of water, one mile north of Rugby.

WASHINGTON, Northeast

Adams County

Countywide

26 1800PST **0 0** **Heavy Rain**
27 1800PST

Crop damage for Adams County is incorporated with the severe hail report below.

Chelan County

Countywide

26 1800PST **0 0** **10M Heavy Rain**
27 1800PST

Douglas County

Countywide

26 1800PST **0 0** **10M Heavy Rain**
27 1800PST

Grant County

Countywide

26 1800PST **0 0** **500K Heavy Rain**
27 1800PST

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

WASHINGTON, Northeast

An unusual dry-season wetting rainfall in this arid region caused extensive damage to the cherry crop and lesser damage to the apple and pear crops. Much of the problem stemmed from the fact that spotty rainfall persisted for a nearly 24-hour period, causing fruit crops with porous skins to stay wet for an extensive period of time. The Wenatchee Airport (Pangborn Field) reported a 24-hour rainfall total of 0.53". Around 40 percent of the cherry crop was lost in what was expected to be a record year. The four counties included in this heavy rain report were all declared agricultural disaster areas by the governor of Washington. In Grant County, the heaviest crop losses were limited to an estimated 4,000 acres of fruit crops near Mattawa. For more information on crop losses in Adams County, see the June 27 Hail entry for that county.

Grant County

13 S Beverly

27 1425PST

0 0

Thunderstorm Wind (G51) M

Location: Priest Rapids Dam

Grant County

Warden

27 1540PST

0 0

Hail (1.00)

Adams County

30 WSW Ritzville to
9 N Ritzville

27 1550PST
1640PST

0 0

4M Hail (0.75)

A severe supercell thunderstorm containing large hail and torrential rainfall moved from southwest to northeast across northern Adams County, first entering the county east of Warden and exiting the county north of Schoonover. The only observation from Adams County of hail size with this storm was a report of dime-sized hail at 500 PM PDT at the Franz Ranch Airport (23 WSW Ritzville). The hail caused a widespread swath of crop destruction that was 20 miles long and 2-3 miles wide, laying waste to about 22,000 acres of crops. The severity of crop damage in the storm's path suggests hail likely reached the size of golf balls. Hail piled up to a foot deep in some farm yards. In the center of the storm's path, nearly 100% of the wheat, barley, bean and pea crops were a loss.

Adams County

11 W Ritzville

27 1640PST

0 0

Urban/Sml Stream Fld

Water flowed over a county road near Bauer Coulee and Harder Road.

Lincoln County

Davenport

27 1715PST

0 0

2K

Thunderstorm Wind

Trees were blown onto power lines.

Lincoln County

Harrington

27 1730PST

0 0

Urban/Sml Stream Fld

A culvert was washed out on Rodgers Road.

Summary of events for June 27 2001:

A shortwave moved over the Inland Northwest on the afternoon and evening of June 27. Surface dewpoints in the upper 50s and lower 60s helped scattered thunderstorms to develop and move northeast. The biggest storm of the day developed over the Oregon Cascades and then moved northeast into Washington. This storm entered Grant County near Priest Rapids Dam, clipping southwest Adams County before passing over Warden. The storm continued on through the length of Adams County and ended up in southeast Lincoln County. Along the way, this storm caused marginally severe wind gusts and dumped large hail in excess of the size of quarters. Brief but intense rainfall also caused the flooding of several coulees in the eastern Columbia Basin. The storm eventually merged with other cells and weakened below severe limits before reaching the more populated Spokane area.

WASHINGTON, Northwest

King County

10 W Seattle

11 1430PST

0 0

0

Tornado (F0)

A very weak tornado tossed a teacher and a few children into the air. No one was injured.

Pierce County

Bonney Lake

27 1845PST

0 0

100K

Tornado (F1)

A tornado downed numerous trees, damaged several dozen houses, and destroyed 1 metal barn.

WASHINGTON, Southeast

Benton County

Hanford Works

12 1400PST

0 0

0

0

Funnel Cloud

A cold-core funnel cloud was reported underneath a convective shower over the Hanford Nuclear Reservation.

Yakima County

2 E Buena

27 1355PST

0 0

200K

70M

Hail (1.00)

Yakima County

20 NNE Sunnyside

27 1415PST

0 0

Hail (0.88)

Yakima County

Grandview

27 1430PST

0 0

15K

Thunderstorm Wind

A spotter reported that strong winds blew the doors off a warehouse.

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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WASHINGTON, Southeast

Yakima County

Mabton 27 1508PST 0 0 Hail (0.75)

Yakima County

Grandview 27 1510PST 0 0 Hail (0.75)

Several severe thunderstorms crossed the Lower Yakima Valley, causing tremendous damage to structures and the area's fruit crops. Hail, combined with high winds, bruised or knocked off many of the region's cherries, apples, pears, and grapes. Much of the agricultural damage was concentrated around the towns of Zillah and Toppenish. A representative with the Northwest State Horticultural Council estimated that around 1/3 of the state's entire cherry crop, a 120 million dollar industry, was lost. The storms, which occurred near the beginning of the cherry harvest, threw an estimated 6000 industry employees out of work.

Widespread high winds estimated at 70 mph or more damaged several buildings in Grandview and caused power outages that affected around 15,000 customers in the towns of Toppenish, Buena and Zillah. In Zillah, the roof of one home was completely blown away, while in Buena, twenty eight distribution poles and two major transmission lines were downed. A tractor-trailer truck was blown on its side, closing State Highway 22 for 3 hours near Toppenish. Along Highway 97 one mile north of Toppenish, a billboard and many power poles were knocked down.

Benton County

10 N Richland 27 1550PST 0 0 0 0 Hail (0.88)

Franklin County

3 SW Mesa 27 1605PST
1620PST 0 0 0 0 Hail (0.75)

Dime-sized hail fell for around 15 minutes.

Columbia County

6 SSE Starbuck 27 1645PST 0 0 0 0 Hail (1.00)

Walla Walla County

2 W Whitman 27 1720PST 0 0 5K 0 Hail (0.75)

In addition to dime-sized hail, strong winds estimated at more than 45 mph downed several trees at a farm just west of Whitman.

WASHINGTON, Southwest

Clark County

**Vancouver to
Amboy** 27 0800PST
0900PST 0 5 25K Tstm Wind/Hail

Cowlitz County

Cougar 27 0800PST
0900PST 0 0 Tstm Wind/Hail

Portland Radar tracked a Severe Thunderstorm through Clark County into Cowlitz County. The Portland Oregonian, Vancouver Columbian and KOIN TV reported uprooted trees falling on vehicles and trailer houses, downed power lines and localized flooding of Interstate 5 and Highway 99 in the Battleground area. Clark Public Utilities reported 2600 lost power. Five were injured, two seriously; one when a tree fell across the trailer house she was in and the other was struck by a limb of a falling tree.

WEST VIRGINIA, East

Berkeley County

Countywide 07 0030EST
0300EST 0 0 Heavy Rain

Hampshire County

Countywide 07 0030EST
0300EST 0 0 Heavy Rain

Morgan County

Countywide 07 0030EST
0300EST 0 0 Heavy Rain

Mineral County

Countywide 07 0230EST
0400EST 0 0 Flash Flood

Several roads were closed by high water.

An area of showers and thunderstorms with very heavy downpours moved across the Eastern Panhandle during the early morning hours of the 7th. The heaviest rain fell across the Fort Ashby and Short Gap areas of Mineral County. A total of 3.41 inches was recorded in Pinto and Routes 46 and 28 were flooded. In Hampshire County, trees were downed across Route 956 and 200 near Purgitsville after saturated soil was unable to support the roots. In Berkeley County, 3.00 inches was measured in Martinsburg. A total of 2.70 inches fell at Inwood in Berkeley County and at Cacapon State Park in Morgan County. In Jefferson County, 2.40 inches was reported in Shepherdstown and 2.14 inches fell in Charles Town.

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
WEST VIRGINIA, East									
WVZ048>053-055	Grant - Mineral - Hampshire - Morgan - Berkeley - Jefferson - Hardy								
	12	1200EST			0	0		Excessive Heat	
	13	1800EST							
High pressure in combination with southerly winds brought hot, hazy, and humid conditions to the Mid Atlantic region between June 12th and 13th. High temperatures soared to around 90 degrees and heat indices reached near 100 degrees through the period.									
Morgan County									
Berkeley Spgs	12	1610EST			0	0		Hail (0.75)	
Dime sized hail fell.									
Jefferson County									
Northeast Portion	12	1750EST			0	0	0.50K	Thunderstorm Wind	
A tree was downed onto Route 230.									
Thunderstorms with gusty winds, hail, and heavy downpours moved across the Eastern Panhandle during the late afternoon of the 12th. In Morgan County, dime sized hail was reported by a spotter in Berkeley Springs. In Jefferson County, high winds downed a tree onto Route 230.									
Hardy County									
Moorefield	20	1335EST 1450EST			0	0		Heavy Rain	
Hampshire County									
Romney	20	1445EST			0	0		Hail (0.88)	
Nickel sized hail fell.									
Berkeley County									
Martinsburg	20	1545EST			0	0	25K	Thunderstorm Wind	
Trees and power lines were downed onto roads, cars, and a fence.									
Scattered thunderstorms that produced damaging winds, hail, and heavy rainfall moved through the area between 2 and 5 PM on the 20th. In Hardy County, pea sized hail was reported. A total of 1.9 inches of rain fell in just over an hour in Moorfield. In Hampshire County, nickel sized hail was reported in Romney. In Berkeley County, winds in excess of 60 MPH downed or snapped trees up to 2 feet in diameter and felled power lines in Martinsburg. Twenty trees at War Memorial Park were either snapped at the base or lost several large limbs. Six more trees had to be removed because the storm made them unstable. Other downed trees and power lines were strewn across city driveways, lawns, roads, and a few homes. A partial list of damaged areas included Locust Avenue, Louisiana Avenue, Delaware Street, and Martin Street.									
Hardy County									
Countywide	21	1715EST 1845EST			0	0		Heavy Rain	
A thunderstorm with heavy downpours moved across Hardy County during the evening of the 21st. A total of 3.16 inches of rainfall was recorded at Devils Hole.									
Grant County									
Countywide	22	1530EST 1730EST			0	0		Heavy Rain	
Hampshire County									
Countywide	22	1530EST 1730EST			0	0		Heavy Rain	
Pendleton County									
Countywide	22	1530EST 1730EST			0	0		Heavy Rain	
Mineral County									
Countywide	22	1545EST 1730EST			0	0		Flash Flood	
New Creek overflowed onto Route 972.									
Berkeley County									
Countywide	22	1600EST 1800EST			0	0		Heavy Rain	
Jefferson County									
Countywide	22	1600EST 1800EST			0	0		Heavy Rain	
Morgan County									
Countywide	22	1600EST 1800EST			0	0		Heavy Rain	
Hardy County									
Countywide	22	1700EST 1900EST			0	0		Flash Flood	

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
WEST VIRGINIA, East									
Route 259 was closed by high water between Baker and Broadway. During the afternoon of the 22nd, numerous showers and thunderstorms with heavy rainfall and frequent lightning developed just east of the Appalachian Mountains. These storms continued to affect the eastern panhandle through the evening hours and some roads, low water crossings, and waterways flooded. In Pendleton County, rainfall totals included 2.42 inches on Middle Mountain and 2.18 inches on Cow Knob Mountain. In Grant County, a total of 3.92 inches of rain fell at Cave Mountain. In Hardy County, high water closed Route 259 between Baker and Broadway. A total of 3.28 inches fell at Devils Hole. In Mineral County, New Creek overflowed onto Route 972. In Jefferson County, 2 inches of rain fell in one hour near Harpers Ferry. A total of 1.83 inches was recorded on Summit Point.									
WVZ048>053-055	Grant - Mineral - Hampshire - Morgan - Berkeley - Jefferson - Hardy								
	27	1200EST			0	0		Excessive Heat	
	30	1800EST							
High pressure in combination with southerly winds brought hot, hazy, and humid conditions to the Mid Atlantic Region between June 27th and 30th. High temperatures soared into the lower 90s and heat indices reached into the lower 100s through the period.									
Jefferson County									
Charles Town	30	1624EST			0	0	0.50K	Thunderstorm Wind	
Trees were downed onto Huyett Road. A thunderstorm with damaging winds moved across Jefferson County during the afternoon of the 30th. A tree was downed onto Huyett Road south of Charles Town.									
WEST VIRGINIA, North									
Preston County									
Newburg	06	0330EST			0	0	150K	Flood	
Strong thunderstorms produced torrential rainfall, which caused flooding in the towns of Newburg and Tunnelton. Approximately 30 homes reported basement flooding, and a mudslide above the former Newburg School damaged another home. Several roads in the area were closed from the flooding, and a one-lane bridge on a dirt road off SR 92 was washed out.									
Marshall County									
Glendale	06	0745EST			0	0	2K	Flood	
Strong thunderstorms produced rainfall amounts of up to 2 inches in less than 2 hours over the extreme western part of the county, which caused minor flooding along Little Grave Creek in the Glen Dale area.									
Wetzel County									
New Martinsville	13	1915EST			0	0	5K	Thunderstorm Wind	
Thunderstorm winds downed several trees along SR 7.									
Monongalia County									
Core	20	1715EST			0	0		Hail (0.88)	
Marshall County									
Moundsville	21	1840EST			0	0	5K	Thunderstorm Wind	
Thunderstorm winds downed several trees.									
Ohio County									
Wheeling	21	1845EST			0	0	5K	Thunderstorm Wind	
Thunderstorm winds downed several trees.									
WEST VIRGINIA, Southeast									
Summers County									
Sandstone	05	1605EST			0	0		Hail (2.50)	
Greenbrier County									
8 NW Lewisburg	05	1615EST			0	0		Hail (0.75)	
Greenbrier County									
8 NW Lewisburg	05	1630EST			0	0		Hail (0.88)	
Thunderstorms during the afternoon of the 5th produced hail up to 2 1/2 inches in diameter.									
Monroe County									
1 N Pickaway	13	1515EST			0	0	30K	Thunderstorm Wind	
Thunderstorm winds downed trees 1 mile north of Pickaway. Three house roofs were damaged by falling trees.									
WEST VIRGINIA, West									
Mason County									
Hogsett	02	1746EST			0	0		Hail (0.75)	
Jackson County									
Goldtown	02	1850EST			0	0	5K	Thunderstorm Wind	
Large trees were uprooted.									
Cabell County									
Ona	02	1852EST			0	0		Hail (0.88)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
WEST VIRGINIA, West							
Jackson County							
Kenna	02	1900EST			0	0 20K	Thunderstorm Wind
The county sheriff reported a few homes had sustained roof damage.							
Kanawha County							
South Charleston	02	1925EST			0	0	Hail (1.00)
Braxton County							
Gassaway	02	2005EST			0	0	Hail (1.00)
Webster County							
Hacker Vly	02	2035EST			0	0	Hail (0.75)
Randolph County							
4 S Huttonsville	04	2040EST			0	0 2K	Thunderstorm Wind
Trees and large branches were fallen along Route 219.							
Boone County							
Whitesville	05	1500EST			0	0	Hail (1.00)
Raleigh County							
Eunice	05	1500EST			0	0	Hail (1.50)
Wayne County							
Dunlow to Doane	05	1515EST 1830EST			0	0 20K	Flash Flood
The headwaters of the West Fork of Twelvepole Creek flooded roads, including Route 152. Cabwaylingo State Forest also saw streams overflow. Rainfall estimates by weather radar were 3 to 3.5 inches in less than 3 hours.							
Fayette County							
Whipple	05	1600EST 1730EST			0	0 5K	Flash Flood
White Oak Creek came over local roads.							
Fayette County							
Danese	05	1602EST			0	0	Hail (1.25)
Boone County							
Ramage to Secoal	05	1630EST 1800EST			0	0 10K	Flash Flood
Streams were out of their banks and covered roads. Route 17 was affected.							
Raleigh County							
Eunice to Dorothy	05	1630EST 1800EST			0	0 10K	Flash Flood
Streams near the junction of the March and Clear Forks overflowed onto roads.							
Kanawha County							
Charleston to Malden	05	1755EST 1900EST			0	0 45K	Flash Flood
Rains of 2 inches in 90 minutes was measured in the East End of Charleston between 1715 and 1845E. Runoff from the hillsides and streets flooded and blocked Interstate 64 near Greenbrier Street. The Interstate was closed for over an hour. Minor stream flooding occurred around homes in Blackhawk Hollow. A pickup truck was submerged on Wertz Ave. in East Charleston.							
Lincoln County							
Palermo to Spurlockville	06	1115EST 1300EST			0	0 10K	Flash Flood
Small headwater creeks of the Mud River flooded. County Route 44 was blocked by Parsner Creek.							
Boone County							
2 W Danville to Whitesville	06	1130EST 1315EST			0	0 10K	Flash Flood
A west to east corridor of 1.5 to 2 inches of rain fell in an hour or less time, causing Lick Creek to flood near Danville. Further east, Seng Creek flooded County Route 24 near Whitesville.							
Mason County							
1 N Southside	06	1920EST			0	0 2K	Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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WEST VIRGINIA, West

Trees were blown down along Pond Branch, which is County Route 42.

Cabell County								
Barboursville	06	1950EST			0	0	3K	Thunderstorm Wind

Large tree branches were snapped off.

Putnam County								
Nitro	06	2005EST			0	0	1K	Thunderstorm Wind

A few large trees were blown down.

Wood County								
Mineral Wells	12	2002EST			0	0		Hail (1.00)
Ritchie County								
Ellenboro	12	2005EST			0	0	2K	Thunderstorm Wind
Wirt County								
1 W Elizabeth	12	2015EST			0	0	2K	Thunderstorm Wind

Trees were blown down along Tucker Creek.

Ritchie County								
Petroleum to Cisco	12	2100EST 2230EST			0	0	10K	Flash Flood

A few secondary roads were damaged, when streams flooded.

Pocahontas County								
Slaty Fork	13	1415EST 1630EST			0	0	3K	Flash Flood

Old Fields Fork of the Elk River flooded over roads, as a result of downpours from nearly stationary thunderstorms. Precipitation estimates from radar indicated 3 to 4 inches of rain may have fallen.

Ritchie County								
Cairo	20	1350EST			0	0		Hail (0.88)
Roane County								
Spencer	20	1400EST			0	0		Hail (1.50)
Roane County								
Gandeeville	20	1407EST			0	0		Hail (1.00)
Calhoun County								
1 S Grantsville	20	1420EST			0	0		Hail (0.88)
Gilmer County								
5 W Glenville	20	1445EST			0	0		Hail (1.75)
Barbour County								
Volga to Adaland	21	1920EST 1930EST			0	0	150K	Thunderstorm Wind

A thunderstorm moved northeast, through Volga, Indian Fork, Spaw Lick, Cherry Hill, Philippi, Hacker Creek, and Adaland. A house near Volga was damaged by a fallen tree. Fallen trees blocked roads. Some trees along Cherry Hill Road were snapped off at mid trunk.

WISCONSIN, Extreme Southwest

NONE REPORTED.

WISCONSIN, Northeast

Marathon County								
Spencer	11	1827CST			0	0		Thunderstorm Wind (G50)
Lincoln County								
Spirit Falls	11	1830CST			0	0		Thunderstorm Wind (G52)
Wood County								
1 N Pittsville to Wisconsin Rapids	11	1845CST 1905CST			0	0		Thunderstorm Wind (G67) ^M

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm	
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops		

June 2001

WISCONSIN, Northeast

Portage County

Whiting to Stevens Pt	11	1900CST 1929CST			0	0	4.1M	500K	Thunderstorm Wind (G62)	M
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Waushara County

Plainfield to Poy Sippi	11	1930CST 1955CST			0	0	5M		Thunderstorm Wind (G50)	
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Waupaca County

Iola to Fremont	11	1939CST 2010CST			0	0	1.4M		Thunderstorm Wind (G64)	M
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Waupaca County

7 W Clintonville	11	2010CST			0	0			Hail (1.75)	
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Winnebago County

Omro to Neenah	11	2013CST 2100CST			0	2	4.5M		Thunderstorm Wind (G65)	M
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Outagamie County

Appleton to Darboy	11	2025CST 2057CST			0	0	3.5M	200K	Thunderstorm Wind (G67)	M
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Outagamie County

Appleton	11	2100CST 2200CST			0	0			Urban/Sml Stream Fld	
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Manitowoc County

5 W Newton	11	2111CST			0	0			Hail (0.75)	
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Calumet County

Chilton	11	2125CST			0	0			Thunderstorm Wind (G52)	
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During the late evening of June 11th a large thunderstorm complex, including a bow echo, moved across central and east central Wisconsin. Winds exceeded 70 mph across the area, resulting in thousands of downed trees and damage to homes and businesses. What made the storm particularly significant was the sustained strong winds causing more damage than typically experienced with a single severe wind gust. In Oshkosh, winds of 45 to 70+ mph were recorded for 45 minutes, veering from west to north during that span. The high winds and rough water knocked over dozens of sailboats on Lake Winnebago, sinking at least one. The storms knocked out power to at least 100,000 customers. The hardest hit counties included Wood, Portage, Waupaca, Waushara, southern Outagamie and Winnebago.

Two youths at a coffee house in Neenah (Winnebago co.) were injured by flying glass when high winds caused a window to break.

Very heavy rain in a short period of time resulted in urban flooding in Appleton.

WIZ035

Wood

12	1806CST	0	0	Flood
13	0723CST			

Heavy rainfall from storms on June 11th caused a period of flooding on the Yellow River at Babcock from the evening of the 12th into the morning hours of the 13th.

Vilas County

Sayner	16	1415CST			0	0			Hail (1.00)	
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Lincoln County

Harrison	16	1446CST			0	0			Thunderstorm Wind (G50)	
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Marathon County

Brokaw	16	1600CST			0	0			Hail (1.00)	
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Oneida County

10 SW Hazelhurst	16	1630CST			0	0			Thunderstorm Wind (G50)	
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Vilas County

5 N Eagle River	16	1630CST			0	0			Hail (0.88)	
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Oneida County

Hazelhurst	16	1635CST			0	0			Thunderstorm Wind (G50)	
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Oneida County

Pelican Lake	16	1640CST			0	0			Thunderstorm Wind (G50)	
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Forest County

Mole Lake	16	1710CST			0	0			Thunderstorm Wind (G50)	
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Forest County

Laona	16	1725CST			0	0			Thunderstorm Wind (G50)	
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Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
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WISCONSIN, Northeast

Forest County

Wabeno 16 1725CST 0 0 Thunderstorm Wind (G50)

Langlade County

Elcho 16 1725CST 0 0 Thunderstorm Wind (G50)

Shawano County

Shawano 16 1740CST 0 0 Thunderstorm Wind (G50)

Brown County

New Franken 16 1748CST 0 0 Hail (0.75)

Kewaunee County

Luxemburg 16 1800CST 0 0 Hail (0.75)

Kewaunee County

Luxemburg 16 1800CST 0 0 Thunderstorm Wind (G50)

Thunderstorms developed across northern Wisconsin as a weak cold front and an upper level disturbance moved across the state. Some of the thunderstorms downed trees and power lines and produced large hail.

Lincoln County

Tomahawk 18 2150CST 0 0 Thunderstorm Wind (G50)

Vilas County

5 NE Lac Du Flambeau 18 2208CST 0 0 Hail (0.75)

Vilas County

Presque Isle 18 2215CST 0 0 Hail (0.75)

Oneida County

5 NE Rhinelander 18 2220CST 0 0 Thunderstorm Wind (G50)

Vilas County

Boulder Jct 18 2220CST 0 0 Hail (0.88)

A surface low moved from southwest to northeast Minnesota. A warm front east of the low remained south of the area during the day, then lifted northeast during the evening. Scattered severe storms developed over northwest and west central Wisconsin, and weakened as they moved east. The storms remained strong enough, however, to down some trees and drop dime to nickel size hail as they moved into north central Wisconsin.

Brown County

Champion 30 1430CST 0 0 Thunderstorm Wind (G50)

Kewaunee County

Luxemburg 30 1440CST 0 0 Thunderstorm Wind (G50)

Kewaunee County

Algoma 30 1450CST 0 0 Thunderstorm Wind (G50)

Kewaunee County

Kewaunee 30 1450CST 0 0 Thunderstorm Wind (G50)

Isolated severe thunderstorms developed in unstable air ahead of a cold front. High winds from the storms knocked over a barn and several trees in Champion (Brown co.). Trees were downed by the winds in Luxemburg, Algoma and Kewaunee (all Kewaunee co.).

WISCONSIN, Northwest

Burnett County

Siren 11 1610CST 0 0 Thunderstorm Wind (G52) M

The strong winds cause widespread tree damage.

Washburn County

Spooner 11 1640CST 0 0 Thunderstorm Wind (G52) M

The strong winds caused widespread tree damage.

Washburn County

Spooner 11 1702CST 0 0 Thunderstorm Wind (G52) M

Trees were blown down over a large area of southern Washburn County.

Sawyer County

Reserve 11 1730CST 0 0 Thunderstorm Wind (G52) M

Trees were blown down.

Price County

Catawba 11 1816CST 0 0 Thunderstorm Wind (G52) M

Trees were blown down on U.S. Highway 8.

Price County

Kennan 11 1830CST 0 0 Thunderstorm Wind (G50)

Trees were blown down. The wind speed is estimated.

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage	Property	Crops	Character of Storm
WISCONSIN, Northwest									
Price County									
Catawba	11	1835CST			0	0			Thunderstorm Wind (G65)
A machine shed was blown off its foundation. There was also roof and siding damage, and a round bale feeder was thrown 225 feet. Siding was blown off a mobile home. The wind speed is estimated.									
Washburn County									
2 W Trego	16	1438CST			0	0			Hail (0.75)
Ashland County									
Marengo	16	1442CST			0	0			Hail (1.00)
Sawyer County									
Stone Lake	16	1449CST			0	0			Hail (0.75)
Ashland County									
Mellen	16	1449CST			0	0			Hail (0.75)
Burnett County									
3 N Webster	18	0350CST			0	0			Hail (0.75)
Burnett County									
Webster	18	0355CST			0	0			Hail (1.75)
Burnett County									
13 E Webster	18	0410CST			0	0			Hail (1.75)
Washburn County									
Trego	18	0440CST			0	0			Hail (0.75)
Burnett County									
8 SW Grantsburg	18	0520CST			0	0			Hail (1.75)
Burnett County									
1.5 E Grantsburg to 7 E Hertel	18	1906CST 1951CST			2	16	10M		Tornado (F3)
The tornado touched down at 806 pm local daylight time 1.5 miles east of Grantsburg and traveled east at an average speed of 40 mph through the village of Siren to the Washburn County line, then continued on to a point 3 miles west of Spooner. The path of the tornado averaged 1/8 to 1/4 mile, but reached its greatest width of 1/2 mile as it approached Siren around 820 pm, where it did F-3 damage. Two people were killed by the tornado, and there were 16 injuries. Four hundred homes were destroyed, 200 in Siren alone, with 280 homes damaged, and 60 businesses destroyed or damaged. Most of the damage occurred in an 8-block area of Siren. Approximately 14,000 acres of trees were leveled along the tornado path. The two people killed were in Dewey Township, about 14 miles east of Siren. An 80-year-old woman was crushed by a falling wall while trying to get to the basement, and a 77-year-old man was found dead about 100 yards from his demolished home, presumably thrown there by tornado-force winds. Many buildings in the path of the tornado through Dewey Township, including the Dewey Town Hall, were destroyed as well. Power lines, trees, and buildings were also damaged or destroyed at Alpha, Falun, and Mud Hen Lake along the path of the tornado between Grantsburg and Siren. Fifteen cows were lost when a barn collapsed near Falun. Some were killed outright. Others were injured and had to be put down. F80PH, M77PH									
Burnett County									
1 S Webster	18	1918CST			0	0			Hail (1.75)
Burnett County									
5 E Grantsburg	18	1921CST			0	0			Thunderstorm Wind (G60)
The strong winds blew down trees. The wind speed is estimated.									
Burnett County									
5 E Webster	18	1926CST			0	0			Hail (1.00)
Burnett County									
8 E Grantsburg	18	1947CST			0	0			Thunderstorm Wind (G70)
Houses were destroyed. The wind speed is estimated.									
Burnett County									
12 E Siren	18	1950CST			0	0			Hail (1.00)
Washburn County									
7 W Spooner to 3 W Spooner	18	1951CST 2000CST			0	0			Tornado (F2)
The tornado, which began near Grantsburg in Burnett County, entered Washburn County at 851 pm local daylight time, 7 miles west of Spooner, and traveled to a point about 3 miles west of Spooner, dissipating around 900 pm. The tornado was in the dissipating stage as it entered Washburn County, but the tree and structural damage that was reported was still classified as F-2. Several homes had windows blown in, roofs torn off, or were damaged by falling trees.									
Washburn County									
4 W Spooner	18	1952CST			0	0			Hail (2.00)

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>WISCONSIN, Northwest</u>									
Washburn County									
Spooner	18	1957CST			0	0		Hail (1.50)	
Washburn County									
3 W Spooner	18	2000CST			0	0		Thunderstorm Wind (G60)	
Buildings were destroyed and power lines were blown down. The wind speed is estimated.									
Price County									
Brantwood	18	2010CST			0	0		Hail (1.50)	
Douglas County									
Solon Springs	18	2025CST			0	0		Hail (0.75)	
Sawyer County									
1 E Stone Lake	18	2026CST			0	0		Hail (2.00)	
Washburn County									
Trego	18	2058CST			0	0		Hail (1.00)	
Price County									
18 S Park Falls	18	2235CST			0	0		Hail (0.75)	
Price County									
5 W Fifield	18	2237CST			0	0		Hail (1.00)	
Price County									
1.5 N Phillips	18	2250CST			0	0		Hail (0.75)	
<u>WISCONSIN, Southeast</u>									
WIZ046>047-056>057- Marquette - Green Lake - Sauk - Columbia - Iowa - Dane - Green									
062>063-068									
	07 08	1730CST 0100CST			0	0		Fog	
Very dense fog developed during the early evening across parts of south-central Wisconsin, but broke up before sunrise the next day. Visibilities were reduced to 1/16 to 1/4 mile. About a dozen vehicle accidents were noted in local newspapers, and several airplane flights were delayed at area airports. The very dense fog was the result of radiational cooling, clear skies, and light and variable winds. Surface dewpoints were in the 50 to 55 degree range.									
Marquette County									
5 W Westfield to Packwaukee	11	1950CST 2010CST			0	0	15K	Thunderstorm Wind (G55)	M
Green Lake County									
2 SSW Marquette	11	2000CST 2001CST			0	0	100K	Tornado (F0)	
A brief, weak, tornado damaged one home, one barn, and uprooted several trees. This tornado was embedded in a solid line of thunderstorms, and apparently formed on the left side of a pronounced downburst on the leading edge of the line. On the Milwaukee-Sullivan WSR-88D, a mesocyclone and tornado-vortex signature were observed.									
Sauk County									
Baraboo to Sauk City	11	2009CST 2030CST			0	0	25K	Thunderstorm Wind (G55)	
Fond Du Lac County									
Countywide	11	2010CST 2045CST			0	0	50K	Thunderstorm Wind (G55)	
Green Lake County									
3 NE Dalton	11	2010CST			0	0	100K	Thunderstorm Wind (G55)	
Columbia County									
Pardeeville	11	2013CST			0	0	25K	Thunderstorm Wind (G61)	
Dodge County									
4 N Fox Lake to 4 E Fox Lake	11	2013CST 2025CST			0	0	700K	Tornado (F1)	
A tornado spun up 4 miles north of Fox Lake in northwest Dodge County, and moved southeast through the grounds of the Fox Lake State Correctional Institute, before dissipating 4 miles east of Fox Lake. At the Correctional Institute, the tornado bent several fence sections, cut off power, burst two water mains, and smashed windows in the recreation hall. Security guards reported a "lifting" force and "popping ears" as the tornado passed overhead. Northeast and east of Fox Lake, the tornado destroyed 2 barns, severely damaged a third barn, and damaged 1 home, 3 silos, and 2 pole sheds. Although the maximum path width was 75 yards, the average path width was closer to 40 yards.									
Milwaukee County									
Wauwatosa	11	2024CST			0	0	25K	Lightning	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
WISCONSIN, Southeast							
Dodge County							
2 E Beaver Dam to 1 NNW Rubicon	11	2025CST 2045CST			0 0	200K	Thunderstorm Wind (G70)
Dane County							
Waunakee	11	2035CST			0 0	10K	Thunderstorm Wind (G55)
Sheboygan County							
Elkhart Lake to Cedar Grove	11	2035CST 2058CST			0 0	25K	Thunderstorm Wind (G70)
Dodge County							
1 NNW Rubicon to 2 ESE Rubicon	11	2045CST 2049CST			0 0	25K	Tornado (F0)
A weak (F0) tornado spun up 1 mile north/northwest of Rubicon in southeast Dodge County, and moved southeast before exiting the county at a point 2 miles east/southeast of Rubicon. While in Dodge County, it pulled down or uprooted many trees. This tornado then moved through Washington County, giving a glancing blow to the city of Hartford. Associated winds were in the 52 to 61 knot range (60 to 70 mph).							
Washington County							
2.2 WNW Hartford to 1.4 SE Hartford	11	2049CST 2056CST			0 0	400K	Tornado (F1)
This tornado entered Washington County 2.2 miles west/northwest of Hartford, after spinning up just north/northwest of Rubicon in Dodge County. It traveled southeast and intensified to a F1 rating (winds about 78 to 87 knots, or 90 to 100 mph) as it cut across the southwest part of Hartford. This tornado inflicted minor damage on 250 homes, major damage to 5 homes, and minor damage to 3 businesses. Additional tornado-related costs, such as debris removal, protective measures, etc, amounted to \$102,100.							
Waukesha County							
Countywide	11	2050CST 2120CST			0 0	75K	Thunderstorm Wind (G52) ^M
Ozaukee County							
Countywide	11	2100CST 2115CST			0 0	75K	Thunderstorm Wind (G55)
Milwaukee County							
Countywide	11	2110CST 2130CST			0 0	50K	Thunderstorm Wind (G61) ^M
Jefferson County							
Lake Mills to Ft Atkinson	11	2114CST 2120CST			0 0	30K	Thunderstorm Wind (G56)
Washington County							
Richfield to Germantown	11	2116CST 2120CST			0 0	10K	Thunderstorm Wind (G52)
Rock County							
Countywide	11	2125CST 2150CST			0 0	50K	Thunderstorm Wind (G52)
Walworth County							
East Troy	11	2130CST			0 0	25K	Thunderstorm Wind (G55)
Green County							
Albany	11	2134CST			0 0	5K	Thunderstorm Wind (G52)
Kenosha County							
Twin Lakes to Bristol	11	2145CST 2200CST			0 0	15K	Thunderstorm Wind (G52)
Racine County							
Burlington to Racine	11	2145CST 2200CST			0 0	15K	Thunderstorm Wind (G54) ^M
Walworth County							
Walworth	11	2150CST			0 0	5K	Thunderstorm Wind (G52)

A powerful squall line plowed through most of south-central and southeast Wisconsin during the late evening hours of June 11, 2001, resulting in widespread damage to trees, power lines, and power poles. There were many reports of damage to residential homes, businesses, and motor vehicles, caused by falling trees/branches. Maximum wind gusts were in the 64 to 78 knot range (74 to 90 mph) in parts of Sheboygan, Dodge, and Washington counties, and 50 to 63 knots (58 to 73 mph) elsewhere. In addition, three (3) tornadoes formed in a meso low-pressure on the left side of a pronounced down-burst located on the leading edge of the squall line. One of the tornadoes, rated F0, briefly affected the area southwest of the village of Marquette (Green Lake Co.). Later on, the same meso-low-pressure/down-burst couplet generated a F1 tornado that affected the area north and east of Fox Lake (Dodge Co.). The last tornado (F1) spun up near Rubicon (Dodge Co.) and moved southeast into Washington County, giving the city of Waterford a

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of Persons Killed	Estimated Damage		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)		Property	Crops	

June 2001

WISCONSIN, Southeast

glancing blow. Refer to individual narratives on these 3 tornadoes under the tornado events for June 11th. Significant county reports follow.

Marquette County: A tree fell on and damaged a home in Packwaukee. Near Westfield, ten (10) calf pens were destroyed.

Green Lake County: A brief tornado (F0) damaged a home, barn, and several trees about 3 miles southwest of Marquette. In addition, near Dalton, two (2) barns were severely damaged by down-burst winds.

Fond du Lac County: a boat in the Fond du Lac harbor sustained wind damage.

Sheboygan County: Hurricane-force winds over-turned a barn four (4) miles north of Beechwood.

Dodge County: A F1 tornado traveled from a point 4 miles north of Fox Lake to 4 miles east of Fox Lake. A tornado spun up near Rubicon and then moved southeast into Washington County just north of State Highway 60. Along its path in Dodge County, only F0 damage was observed. Elsewhere, in the village of Neosho, a residential home was damaged by felled trees. In a rural area near Hustisford, the roof of a home was partially ripped off and several farm outbuildings were damaged.

Washington County: The tornado that spun up near Rubicon (Dodge Co.) intensified to a F1 rating as it moved southeast through the southwest part of Hartford, before dissipating southeast of the city. This tornado inflicted wind or tree damage to more than 250 residential homes and business.

Waukesha County: Down-burst winds pushed over a barn near the village of Lannon. Most of the tree and power-line damage was noted in the Oconomowoc to Waukesha area, and in the North Prairie to Eagle area.

Milwaukee County: tree/power-line damage across much of county. Several cars sustained damaged from felled trees. Mitchell Field had a measured maximum wind gust of 60 knots (69 mph). Lightning struck a Wauwatosa home, resulting in a roof/attic fire.

As the squall line moved through south-central and southeast Wisconsin, heavy rains reduced visibilities to 100-200 feet at some locations. Total rainfall for the event was impressive, and exceeded 2 inches in some spots. West Allis (Milwaukee Co.) registered 2.70 inches, Watertown (Jefferson Co.) and Janesville (Rock Co.) measured 2.64 inches, Madison's Truax Field came in with 1.94 inches, and Milwaukee Mitchell Field recorded 1.75 inches. Most small streams reached near-bankfull stages, and the Fox River at New Munster, in western Kenosha County, eventually exceeded its 10 foot flood stage by 2.25 feet early at 0000CST on June 14, 2001.

The squall line was the tail extension of an intense bow-echo that struck the east-central Wisconsin counties of Waushara, Winnebago, Calumet, and Manitowoc with hurricane-force, down-burst winds. Twenty-four hours earlier, the bow-echo/squall line was a cluster of thunderstorms over eastern Montana. Synoptically, a warm front extended from central Minnesota to southwest Wisconsin to just south of Chicago. Aloft, a 500mb short-wave trough moved east across North Dakota and then moved southeast across Minnesota and Wisconsin. Strong warm-air advection between 850 and 700mb fueled the thunderstorm complex.

Iowa County

Mineral Pt	12	0142CST	0	0	Hail (0.75)
Dodge County					
2.5 WNW Danville	12	0312CST	0	0	Hail (1.75)
Green County					
3 E Monroe to 1 E Monroe	12	0430CST	0	0	Thunderstorm Wind (G52)

Isolated, pulse-type, severe thunderstorms popped up during the overnight hours across parts of south-central and southeast Wisconsin. The large hail near Danville (just east of the city of Columbus in Columbia Co.) covered the ground. Several large trees were toppled by powerful wind gusts (estimated at 52 knots, or 60 mph), just east of Monroe in Green County.

Sauk County

Lake Delton	14	1335CST 1340CST	0	0	Thunderstorm Wind (G52)
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Columbia County

Wisconsin Dells	14	1340CST	0	0	Hail (0.75)
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Marquette County

Montello	14	1350CST	0	0	Thunderstorm Wind (G52)
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Columbia County

4 N Pardeeville	14	1420CST	0	0	Thunderstorm Wind (G52)
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Columbia County

3 W Arlington	14	1450CST	0	0	Thunderstorm Wind (G52)
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Green County

Countywide	14	1450CST 1525CST	0	0	Thunderstorm Wind (G52)
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Dane County

Middleton	14	1458CST	0	0	Funnel Cloud
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Columbia County

1 E Poynette	14	1500CST	0	0	15K Lightning
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Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
WISCONSIN, Southeast							
Dane County							
Madison	14	1500CST			0	0	Thunderstorm Wind (G52)
Dane County							
Madison	14	1510CST 1700CST			0	0	Urban/Sml Stream Fld
Lafayette County							
Shullsburg	14	1840CST			0	0	Thunderstorm Wind (G52)
Green County							
4 SW Monroe	14	1900CST			0	0	Thunderstorm Wind (G52)
Green County							
New Glarus	14	1915CST			0	0	Thunderstorm Wind (G52)
Rock County							
5 W Janesville	14	1915CST			0	0	Thunderstorm Wind (G52)
Walworth County							
2.5 NW Delavan	14	1935CST			0	0	Thunderstorm Wind (G54) ^M
Scattered short lines or clusters of severe thunderstorms, with large hail and powerful, damaging, straight-line, down-burst winds affected parts of south-central and southeast Wisconsin. There were many reports of toppled large trees. Lightning struck a home east of Poynette, resulting in some fire damage to the roof and attic. Torrential rains accompanied the severe storms. Minor urban and small stream flooding was reported in and near Madison (Dane Co.). Spotters in the Madison area noted that rain totals were in the 1 to 2 inch range in one hour.							
Synoptically, a low pressure moved northeast along a cold front that stretched from Iowa through Minnesota. A plume of low-level moisture pushed into southern Wisconsin. Maximum daytime temperatures on the 14th were in the upper 80s to lower 90s, with surface dewpoints in the upper 60s to lower 70s. Training of thunderstorm cells enhanced the rainfall totals over Dane County.							
Marquette County							
Montello	16	1815CST			0	0	Thunderstorm Wind (G56)
Marquette County							
5 N Westfield to Neshkoro	16	1820CST 1830CST			0	0	Thunderstorm Wind (G52)
Dodge County							
7 W Waupun to Waupun	16	1826CST			0	0	Thunderstorm Wind (G56)
Columbia County							
7 ESE Wisconsin Dells Dekorra	16	1830CST 1840CST			0	0	Thunderstorm Wind (G52)
Green Lake County							
1.5 SW Marquette to Green Lake	16	1830CST 1840CST			0	0	10K Thunderstorm Wind (G52)
Fond Du Lac County							
Alto to Waupun	16	1845CST 1850CST			0	0	Thunderstorm Wind (G52)
Dodge County							
Beaver Dam	16	1910CST			0	0	Thunderstorm Wind (G52)
Fond Du Lac County							
Campbelsport	16	1910CST			0	0	Thunderstorm Wind (G52)
Sheboygan County							
2 S Sheboygan Falls	16	1930CST			0	0	Thunderstorm Wind (G52)
Washington County							
4 NE West Bend	16	1936CST			0	0	Thunderstorm Wind (G52)
Scattered severe thunderstorms, with powerful, straight-line, down-burst winds, affected parts of south-central and southeast Wisconsin. There were many reports of large trees pushed over by the winds. In Green Lake County, a large tree fell on, and slightly damaged, a bar/restaurant near the village of Marquette, and a pontoon boat was flipped over on Green Lake.							
Iowa County							
.7 E Mifflin	17	1902CST			0	0	100K Lightning
Iowa County							
2.8 NE Mifflin	17	1910CST			0	0	100K Lightning
Sauk County							
Baraboo to Lake Delton	17	2030CST 2035CST			0	0	Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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WISCONSIN, Southeast

Sauk County

Baraboo to Lake Delton 17 2040CST 2300CST 0 0 Urban/Sml Stream Fld

Columbia County

Portage 17 2045CST 2300CST 0 0 Urban/Sml Stream Fld

Sauk County

6 SE Baraboo 17 2050CST 0 0 Hail (1.00)

Sauk County

Reedsburg to Baraboo 17 2057CST 2105CST 0 1 Thunderstorm Wind (G54) ^M

Columbia County

8 SE Portage 17 2228CST 0 0 Hail (1.75)

Columbia County

Pardeeville 17 2321CST 0 0 Hail (1.00)

Dodge County

Randolph 17 2350CST 0 0 Thunderstorm Wind (G52)

Dodge County

Randolph to Fox Lake 18 0000CST 0300CST 0 0 Urban/Sml Stream Fld

Dodge County

5 S Beaver Dam to Juneau 18 0009CST 0015CST 0 0 Hail (0.75)

Waukesha County

Stonebank 18 0047CST 0 0 Hail (0.88)

Washington County

1 S Slinger to Jackson 18 0100CST 0 0 Thunderstorm Wind (G52)

Waukesha County

Sussex 18 0100CST 0 0 Hail (1.00)

Milwaukee County

West Allis 18 0115CST 0 0 Hail (0.88)

Scattered severe thunderstorms, with large hail and damaging, straight-line, down-burst winds, affected parts of south-central and southeast Wisconsin. There were many reports of toppled trees, and hail stones reached golf-ball size (1.75 inches in diameter) southeast of Portage (Columbia Co.). One person was injured between Reedsburg and Baraboo when a wind-toppled tree fell on their car. Torrential rains accompanied some of the storms, resulting in urban and small stream flooding in and around Randolph and Fox Lake in northwest Dodge County. Three-fourths of an inch of rain fell in 25 minutes in Randolph and up to 2 inches fell around Fox Lake. Up to 1.80 inches of rain fell in a short period of time in the Baraboo to Lake Delton area of Sauk County, resulting in urban and small stream flooding in that county. Water depths affected roads in northeast Sauk and northwest Dodge Counties where it was reported to be 6 inches to 2 feet deep. Lightning-initiated fires destroyed two barns on separate farms near Mifflin (Iowa Co.).

Synoptically, an upper-level, short-wave trough moved through the Great Lakes region. Instability along the trough was sufficient to allow thunderstorm development. The thunderstorm cells moved southeastward.

Fond Du Lac County

Fond Du Lac 18 1530CST 1540CST 0 0 25K Lightning

Intense, frequent lightning strikes accompanied thunderstorms moving through the city of Fond du Lac. Several power poles and lines were downed by the lightning strikes.

Sheboygan County

Cedar Grove 30 1600CST 0 0 Thunderstorm Wind (G52)

Jefferson County

Waterloo 30 1813CST 0 0 Hail (0.75)

Jefferson County

Johnson Creek 30 1845CST 0 0 Thunderstorm Wind (G52)

Racine County

2 E Wind Pt 30 1925CST 0 0 Waterspout

Severe thunderstorms affected parts of southeast Wisconsin with large hail and damaging, straight-line, down-burst winds. In addition, a brief waterspout was noted near Wind Point (Racine Co.). Large trees were toppled by powerful thunderstorm winds in Cedar Grove (Sheboygan Co.), and near Johnson Creek in Jefferson County. Synoptically, thunderstorms fired up along a cold front

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated		June 2001	
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Property	Crops	Character of Storm	
<u>WISCONSIN, Southeast</u>									
and pre-frontal trough punching southeast through Wisconsin. Surface dewpoints ahead of the front were in the lower 70s. Maximum daytime temperatures were in the mid to upper 80s. Cell movement was to the east/southeast.									
<u>WISCONSIN, Southwest</u>									
Trempealeau County									
Ettrick	09	1715CST			0	0	1.5K	Hail (1.00)	
Jackson County									
5 SE Franklin	09	1735CST			0	0		Hail (0.75)	
Buffalo County									
.5 E Urne to 2 E Urne	11	1711CST 1715CST			0	0	3.5K	Tornado (F0)	
Buffalo County									
Mondovi	11	1725CST			0	0	0.80K	Hail (1.50)	
Taylor County									
Jump River	11	1750CST			0	0	0.80K	Thunderstorm Wind (G53)	
Clark County									
Thorp	11	1753CST			0	0	0.75K	Thunderstorm Wind (G50)	
Trempealeau County									
Osseo	11	1759CST			0	0	3.5K	Thunderstorm Wind (G50)	
Trempealeau County									
Strum	11	1759CST			0	0	2.5K	Thunderstorm Wind (G50)	
Buffalo County									
Nelson	11	1830CST			0	0		Hail (0.75)	
Jackson County									
5 W Hixton	11	1835CST			0	0	0.50K	Thunderstorm Wind (G55)	
Clark County									
5 S Riplinger	11	1838CST			0	0	0.60K	Thunderstorm Wind (G61) M	
Jackson County									
Hixton	11	1843CST			0	0	1.5K	Thunderstorm Wind (G65) M	
Jackson County									
Taylor	11	1845CST			0	0	1K	Hail (1.50)	
Trempealeau County									
Galesville	11	1850CST			0	0	0.75K	Thunderstorm Wind (G50)	
Buffalo County									
Buffalo City	11	1852CST			0	0	1K	Hail (1.00)	
Jackson County									
4 E North Bend	11	1852CST			0	0		Thunderstorm Wind (G52)	
La Crosse County									
Holmen	11	1908CST			0	0	1K	Thunderstorm Wind (G55)	
Monroe County									
3 N Oakdale	11	1910CST			0	0	0.75K	Thunderstorm Wind (G54)	
La Crosse County									
New Amsterdam	11	1914CST			0	0	0.50K	Thunderstorm Wind (G50) M	
Monroe County									
8 N Tomah	11	1918CST			0	0		Thunderstorm Wind (G52)	
Monroe County									
Sparta	11	1922CST			0	0	1.5K	Thunderstorm Wind (G52) M	
Monroe County									
Sparta	11	1924CST			0	0	0.80K	Thunderstorm Wind (G54) M	
Buffalo County									
1.5 NW Fountain City	11	1927CST			0	0		Hail (0.75)	
Trempealeau County									
Pigeon Falls	11	1930CST			0	0	15K	Thunderstorm Wind (G61)	
Vernon County									
2 W Westby	11	1935CST			0	0	0.35K	Thunderstorm Wind (G53)	
Juneau County									
Mauston	11	1940CST			0	0	2.5K	Thunderstorm Wind (G55)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
WISCONSIN, Southwest								
Trempealeau County								
Blair	11	1942CST			0	0	8K	Thunderstorm Wind (G61)
Adams County								
Adams	11	1945CST			0	0	2K	Thunderstorm Wind (G55)
La Crosse County								
Mindoro	11	2000CST			0	0	0.80K	Thunderstorm Wind (G54)
Monroe County								
Tomah	11	2000CST			0	0	0.20K	Thunderstorm Wind (G52) ^M
Trempealeau County								
Galesville	11	2000CST			0	0		Hail (0.75)
Trempealeau County								
Galesville	11	2000CST			0	0		Hail (0.75)
La Crosse County								
Onalaska	11	2010CST			0	0	0.50K	Hail (0.75)
La Crosse County								
Onalaska	11	2012CST			0	0		Hail (0.75)
La Crosse County								
Onalaska	11	2014CST			0	0	2.5K	Hail (1.00)
La Crosse County								
Holmen	11	2018CST			0	0	0.50K	Hail (1.25)
La Crosse County								
West Salem	11	2018CST			0	0		Hail (0.75)
La Crosse County								
3 E La Crosse	11	2020CST			0	0	0.75K	Hail (2.50)
La Crosse County								
La Crosse	11	2025CST			0	0	0.50K	Hail (1.00)
La Crosse County								
Barre Mills	11	2030CST			0	0		3.5K Hail (1.25)
La Crosse County								
St Joseph	11	2030CST			0	0	0.75K	Hail (0.88)
Monroe County								
Cashton	11	2047CST			0	0		Hail (0.75)
Monroe County								
Cashton	11	2050CST			0	0		Hail (0.75)
Monroe County								
Portland	11	2055CST			0	0		Hail (0.88)
Monroe County								
Norwalk	11	2057CST			0	0		1.5K Hail (0.75)
Monroe County								
Sparta	11	2057CST			0	0		Hail (0.75)
Monroe County								
1 W Sparta	11	2058CST			0	0		2K Hail (1.00)
Vernon County								
Ontario	11	2104CST			0	0		Hail (0.75)
Monroe County								
Tomah	11	2122CST			0	0	1K	Hail (1.00)
Monroe County								
Tomah	11	2123CST			0	0		Hail (0.75)
Monroe County								
9 N Tomah	11	2140CST			0	0		1.5K Hail (1.00)
Richland County								
Richland Center	11	2146CST			0	0		Hail (0.75)
Monroe County								
Tomah	11	2149CST			0	0		Hail (0.75)
Juneau County								
Hustler	11	2152CST			0	0	0.80K	Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
WISCONSIN, Southwest							
Monroe County							
2 W Tomah	11	2153CST			0 0	0.75K	Hail (1.00)
Monroe County							
Four Corners	11	2200CST			0 0		Hail (0.75)
Monroe County							
Cataract	11	2204CST			0 0		Hail (0.88)
Adams County							
White Creek	11	2235CST			0 0	0.50K	Hail (1.00)
Monroe County							
2 W Tomah	11	2235CST			0 0	1.5K	Hail (1.00)
Monroe County							
Tunnel City	11	2235CST			0 0		Hail (0.75)
Juneau County							
Elroy	11	2247CST			0 0		Hail (0.75)
Crawford County							
Prairie Du Chien	12	0105CST			0 0		Hail (0.75)
Numerous reports of large hail and pockets of wind damage accompanied severe thunderstorms that moved across parts of southwest and central Wisconsin. A brief tornado touchdown also occurred near Urne (Buffalo County), but only some crop damage was reported. Spotters and law enforcement officials reported hail ranging in size from dimes to as large as golf balls. Hail with a diameter of 2.5 inches was observed at the La Crosse National Weather Service (La Crosse County). Hardest hit by thunderstorm winds estimated at 70 mph was the Pigeon Falls area (Trempealeau County), where four homes were heavily damaged, several barns were knocked down and numerous trees were blown down. The Hixton area (Jackson County) was also hit hard, with damaging winds downing power lines, which closed Interstate 94 for an hour and a half.							
Adams County							
2 SE Brooks	14	1355CST			0 0		Thunderstorm Wind (G52)
The public reported several large tree limbs were knocked down by winds estimated at 60 mph.							
Buffalo County							
3 NE Nelson	16	1552CST			0 0	2K	Hail (0.75)
Clark County							
3 S Owen	16	1555CST			0 0		Hail (0.75)
Trempealeau County							
Ettrick	16	1640CST			0 0	0.75K	Thunderstorm Wind (G52)
Dime size hail and wind gusts estimated at 60 mph were reported by storm spotters and the public.							
Buffalo County							
2 S Mondovi	17	1936CST			0 0	0.25K	Thunderstorm Wind (G54)
Jackson County							
2 NW Black River Falls	17	2004CST			0 0	1K	Hail (1.75)
Jackson County							
2 N Black River Falls	17	2010CST			0 0	0.75K	Hail (1.75)
Jackson County							
Merrillan	17	2010CST			0 0	0.80K 3.5K	Hail (1.75)
Trempealeau County							
Blair	17	2020CST			0 0		Hail (0.75)
Buffalo County							
Buffalo City	17	2100CST			0 0		Hail (0.75)
Buffalo County							
Buffalo City	17	2100CST			0 0		Thunderstorm Wind (G52)
Buffalo County							
Buffalo City	17	2107CST			0 0	1K	Hail (1.00)
Monroe County							
2 N Sparta	17	2111CST			0 0	1.5K	Thunderstorm Wind (G61) M
Monroe County							
2 N Sparta	17	2113CST			0 0		Hail (0.88)
Trempealeau County							
Blair	17	2115CST			0 0		Hail (0.75)
Trempealeau County							
Ettrick	17	2115CST			0 0		Hail (0.75)

Storm Data and Unusual Weather Phenomena

June 2001

		Time	Path	Path	Number of		Estimated		June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Property	Crops	Character of Storm	
<u>WISCONSIN, Southwest</u>									
Buffalo County									
Fountain City	17	2116CST			0	0	6K	Hail (1.50)	
Trempealeau County									
Centerville	17	2123CST			0	0	2K	5K	Hail (1.50)
Trempealeau County									
1 S Centerville	17	2128CST			0	0			Hail (0.75)
Monroe County									
Tomah	17	2137CST			0	0	8K		Hail (1.75)
Monroe County									
Tomah	17	2143CST			0	0	2.5K		Thunderstorm Wind (G55)
La Crosse County									
Holmen	17	2144CST			0	0	2.5K		Hail (1.00)
La Crosse County									
Holmen	17	2145CST			0	0		3.5K	Hail (1.25)
La Crosse County									
2 S Holmen	17	2147CST			0	0	1.5K		Hail (1.00)
Monroe County									
1 E Sparta	17	2150CST			0	0	0.40K		Thunderstorm Wind (G54)
La Crosse County									
Holmen	17	2155CST			0	0	2K	5K	Hail (1.75)
La Crosse County									
Onalaska	17	2157CST			0	0			Hail (0.75)
La Crosse County									
West Salem	17	2203CST			0	0			Hail (0.75)
La Crosse County									
West Salem	17	2204CST			0	0	1K		Hail (1.00)
Monroe County									
2 N Melvina	17	2233CST			0	0			Hail (0.75)
Juneau County									
Lyndon Station	17	2234CST			0	0	2.5K		Hail (1.75)
Adams County									
1 S Plainville	17	2237CST			0	0		3K	Hail (1.75)
Monroe County									
1 S Melvina	17	2240CST			0	0			Hail (0.75)
Richland County									
Viola	18	0045CST			0	0		2.5K	Hail (1.00)
Grant County									
Lancaster	18	0345CST			0	0	1K	4.5K	Hail (1.00)
La Crosse County									
Holmen	18	0500CST			0	0			Hail (0.75)
La Crosse County									
2 E Holmen	18	0505CST			0	0			Hail (0.75)
Trempealeau County									
Arcadia	18	0509CST			0	0			Hail (0.75)
Trempealeau County									
Osseo	18	0606CST			0	0			Hail (0.75)
Clark County									
3 N Neillsville	18	0641CST			0	0		3K	Hail (1.75)
The public, law enforcement officials and amateur radio operators reported hail from dime and nickel size to as large as golf balls. Wind gusts of 60 to 70 mph were also reported, which downed trees and power lines.									
Buffalo County									
West Portion	17	2130CST 2300CST			0	0	2.5K		Flash Flood
Rainfall amounts of 1 to 3 inches in less than two hours caused flash flooding, which triggered mudslides along Highway 35 near Alma and Fountain City.									
Buffalo County									
Mondovi	18	1845CST			0	0	0.50K		Hail (1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
<u>WISCONSIN, Southwest</u>								
Buffalo County								
Nelson	18	1850CST			0	0		Hail (0.75)
Clark County								
Thorp	18	1930CST			0	0	10K 25K	Hail (3.50)
Clark County								
Thorp	18	1930CST			0	0	2K 10K	Hail (1.75)
Trempealeau County								
Strum to 3 E Strum	18	1930CST 1943CST			0	0		Funnel Cloud
Taylor County								
Lublin	18	1950CST			0	0	0.35K 2K	Hail (1.00)
Clark County								
Thorp	18	2115CST			0	0		Hail (0.75)
Taylor County								
Medford	18	2130CST			0	0	0.25K	Thunderstorm Wind (G52)
Taylor County								
Goodrich	18	2140CST			0	0	0.50K	Thunderstorm Wind (G54)
Vernon County								
Viroqua	18	2205CST			0	0	1K	Thunderstorm Wind (G54)
Buffalo County								
2 E Cochrane	18	2251CST			0	0	0.80K	Hail (1.00)
Law enforcement officials reported a funnel cloud near Strum (Trempealeau County), which did not touch the ground. Numerous reports of large hail were received from spotters, ranging in size from dimes to as large as golf balls. In fact, an amateur radio operator at Thorp (Clark County) reported hail with a diameter of 3.5 inches. Estimated wind gusts of 60 to 65 mph knocked down large branches and blew down several large trees.								
Grant County								
Bagley	30	1645CST			0	0	0.75K	Hail (1.50)
Ping-pong ball size hail was reported by law enforcement officials.								
<u>WISCONSIN, West</u>								
Pierce County								
1 S Ellsworth to 4 S Ellsworth	11	1558CST 1608CST			0	0		Hail (2.50)
Several homes and vehicles damaged.								
Pierce County								
2 SE Ellsworth	11	1610CST			0	0		Hail (1.75)
Polk County								
4 W Milltown to Clear Lake	11	1620CST 1630CST			0	0	800K	Thunderstorm Wind (G55)
Numerous trees down, some on houses and vehicles, in a wide swath across the county. One tree fell through a trailer in Balsam Lake. Pole barn collapsed on western edge of Balsam Lake. Tree fell through apartment building in Balsam Lake. Building under construction in Centuria was taken down.								
Pierce County								
5 N Maiden Rock	11	1630CST			0	0		Thunderstorm Wind (G50)
Few trees down.								
Polk County								
1 W Turtle Lake	11	1638CST			0	0		Thunderstorm Wind (G55)
Numerous trees down.								
Barron County								
Turtle Lake to Cameron	11	1640CST 1700CST			0	0	1M	Thunderstorm Wind (G70)
5 mile wide swath of damaging wind extended across much of Barron County. Numerous trees down, roof blown off house, trailers tipped over at RV Park, chopper box and semi truck blown over in Turtle Lake. Roof blown off barn 3 N Poskin. Semi truck blown over on eastern edge of Barron. Trees fell through roofs of houses 1 SW Cameron. Damage figure include totals from all storms in Barron County between 1640 and 1705.								
St. Croix County								
4 NW New Richmond	11	1640CST			0	0		Thunderstorm Wind (G52)
Scattered trees toppled.								

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
WISCONSIN, West									
Barron County									
6 S Turtle Lake to Dallas	11	1645CST 1705CST			0	0		Thunderstorm Wind (G65)	
Three mile wide swath of damage across southern Barron County. Two barns down, several sheds destroyed, numerous trees down, some on homes and vehicles.									
Dunn County									
Ridgeland	11	1645CST			0	0		Thunderstorm Wind (G50)	
Few trees felled.									
Barron County									
Almena	11	1650CST			0	0		Hail (0.75)	
Pepin County									
Durand	11	1650CST			0	0	200K	Hail (2.75)	
Vehicles, houses and other structures damaged.									
Dunn County									
Boyceville	11	1656CST			0	0		Thunderstorm Wind (G61)	
Barron County									
Rice Lake Arrowhd Ar	11	1700CST			0	0		Thunderstorm Wind (G76) ^M	
AWOS system reached 62 mph then failed. Airport personnel monitored other measuring equipment and observed 76 knots (88 mph). Several roofs partially blown off in Rice Lake. Numerous trees and power lines down. Tractor blown over.									
Rusk County									
3 W Weyerhaeuser to Bruce	11	1700CST 1719CST			0	0		Thunderstorm Wind (G60)	
Trees and power lines came down. Barn down with roof blown 100 feet away 3 W Weyerhaeuser, near Bass Lake. Garage down and many windows blown out.									
Pierce County									
2 S Ellsworth	11	1725CST			0	0	1M	Thunderstorm Wind (G65)	
Six barns leveled, numerous sheds and outbuildings down. Trees and power lines felled, some on houses. Damage figures are totals from all storms in Pierce County between 1558 and 1800.									
Rusk County									
Ladysmith	11	1730CST 1735CST			0	0	1M	Thunderstorm Wind (G69) ^M	
Measured at the DNR Forestry Station. Scattered damage to houses and outbuildings. Numerous trees and power lines down. Memorial Park in Ladysmith lost about 100 trees. One home lost part of its roof. Damage figure is the total from all storms in Rusk County from 1770 to 1815.									
Chippewa County									
3 E Chippewa Falls to Stanley	11	1735CST 1745CST			0	0		Thunderstorm Wind (G61) ^M	
Numerous trees and power lines down, some on houses and vehicles. Boats and docks flipped on Lake Wissota (3 E Chippewa Falls). 70 mph wind measured in Stanley, where a tree fell through one house.									
Pierce County									
5 SW River Falls	11	1735CST			0	0		Hail (2.00)	
St. Croix County									
Star Prairie to New Richmond	11	1738CST			0	0		Thunderstorm Wind (G50)	
Power lines and numerous 12 inch branches down.									
Rusk County									
10 WNW Sheldon to 7 W Sheldon	11	1740CST			0	0		Thunderstorm Wind (G55)	
Barn and sheds down. Scattered trees down.									
St. Croix County									
1 E Glenwood City	11	1748CST			0	0		Thunderstorm Wind (G52)	
Trees and power lines felled.									
Eau Claire County									
5 N Augusta	11	1750CST			0	0	15K	Thunderstorm Wind (G55)	
Numerous trees down, including a few on vehicles									
Dunn County									
2 NE Menomonie	11	1800CST			0	0	83K	Lightning	
Lightning struck a barn and set it on fire.									
Pierce County									
Plum City	11	1800CST			0	0		Thunderstorm Wind (G52)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property Crops	Character of Storm
WISCONSIN, West							
Dunn County							Trees toppled.
Eau Galle	11	1805CST			0	0 500K	Thunderstorm Wind (G60)
							Numerous trees down with some roof damage. Sheds and barns down.
Pepin County							
Lund	11	1805CST			0	0	Thunderstorm Wind (G50)
							Few trees on homes.
Pepin County							
Durand	11	1808CST			0	0	Hail (1.75)
Pepin County							
Durand to 5 E Durand	11	1808CST 1813CST			0	0	Thunderstorm Wind (G65)
							Numerous trees down, some on houses and vehicles. Roof partially ripped off barn 4 E Durand. Portion of greenhouse in Durand blown apart.
Chippewa County							
6 NW Bloomer to 5 SE Cornell	11	1810CST 1850CST			0	0 600K	Thunderstorm Wind (G65)
							Several barns and silos down, few garages and sheds destroyed, minor house damage, many hundreds of trees down in a swath several miles wide. About 80 roads were blocked by fallen trees. Damage figure includes totals from all storms in Chippewa County from 1735 to 1850.
Eau Claire County							
15 SW Eau Claire	11	1815CST			0	0	Thunderstorm Wind (G52)
							Several trees felled.
Rusk County							
Hawkins	11	1815CST			0	0	Thunderstorm Wind (G52)
							Few trees down.
Barron County							
8 NW Rice Lake	16	1414CST			0	0	Hail (0.75)
Rusk County							
Ladysmith	16	1520CST			0	0	Hail (0.75)
Rusk County							
Ladysmith	16	1520CST			0	0	Thunderstorm Wind (G50)
							Awning torn off a house.
Pierce County							
4 SE Plum City	17	1850CST			0	0	Hail (1.25)
Pepin County							
Pepin	17	2039CST			0	0	Hail (0.75)
Pepin County							
Stockholm	17	2039CST			0	0	Hail (1.75)
Dunn County							
Menomonie	18	0505CST			0	0	Hail (0.75)
Polk County							
Frederic	18	0520CST			0	0	Hail (1.75)
Polk County							
Luck	18	0545CST			0	0	Hail (1.75)
St. Croix County							
Hammond	18	0545CST 0550CST			0	0	Hail (0.75)
							Ground turned white.
St. Croix County							
Baldwin	18	0550CST			0	0	Hail (1.00)
Eau Claire County							
Augusta	18	1941CST			0	0	Hail (0.88)
Eau Claire County							
Eau Claire	18	2047CST			0	0	Hail (0.75)
Chippewa County							
5 N Cadott	18	2056CST			0	0	Hail (1.75)

Storm Data and Unusual Weather Phenomena

June 2001

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>WISCONSIN, West</u>									
Chippewa County									
Jim Falls	18	2130CST			0	0		Thunderstorm Wind (G60)	
			Trees and powerlines blown down.						
Pierce County									
Plum City	18	2130CST			0	0		Hail (0.88)	
Eau Claire County									
10 E Eau Claire	18	2135CST			0	0		Thunderstorm Wind (G55)	
			Large tree felled in Seymour Township.						
Dunn County									
Elk Mound	18	2200CST			0	0		Hail (1.50)	
Rusk County									
Sheldon	18	2200CST			0	0		Hail (0.75)	
Rusk County									
5 NE Tony	18	2200CST			0	0		Thunderstorm Wind (G55)	
			Trees down.						
<u>WYOMING, Central and West</u>									
Fremont County									
22 SE Riverton	03	0940MST 0945MST			0	0		Hail (0.88)	
Natrona County									
Powder River	03	1125MST 1129MST			0	0		Hail (1.50)	
Natrona County									
3 NE Natrona	03	1140MST 1141MST			0	0		Tornado (F0)	
			3 brief tornadoes reported by at least 3 or 4 motorists on highway 20/26 just northeast of Natrona. Report relayed by Natrona County Law Enforcement. Path length, width, Fujita number and ending time are all estimates.						
Sublette County									
35 S Pinedale	08	1400MST			0	4		Lightning	
			Oil field workers.						
Sweetwater County									
20 S Green River	12	1310MST			0	0		Thunderstorm Wind (G51) ^M	
			Reported at Buckboard Marina on Flaming Gorge Reservoir.						
Sweetwater County									
15 SE Rock Spgs	12	1340MST			0	0		Thunderstorm Wind (G52)	
Sweetwater County									
40 E Rock Spgs	12	1401MST			0	0		Thunderstorm Wind (G55) ^M	
Sweetwater County									
20 E Wamsutter	12	1431MST			0	0		Thunderstorm Wind (G61) ^M	
			At Continental Divide Highway Observation Site.						
Fremont County									
Jeffrey City	12	1550MST			0	0		Thunderstorm Wind (G69)	
Natrona County									
5.5 W Powder River	12	1615MST			0	0		Thunderstorm Wind (G69)	
			Occurred at Hell's Half Acre. Shingles blown off roof, camper tipped over.						
Natrona County									
Waltman	12	1615MST			0	0		Thunderstorm Wind (G69)	
			Barn demolished.						
Natrona County									
.5 S Waltman	12	1615MST			0	0		Hail (1.00)	
Natrona County									
.5 S Waltman	12	1615MST			0	0		Thunderstorm Wind (G69)	
			Shed destroyed, 300 gallon gas tank blown over, horse trailer and outhouse tipped over.						
Natrona County									
Waltman	12	1615MST			0	0		Funnel Cloud	
Natrona County									
(Cpr)Natrona Co Arpt	12	1644MST			0	0		Thunderstorm Wind (G51) ^M	

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
WYOMING, Central and West									
Natrona County									
2 NW Casper	12	1645MST			0	0		Funnel Cloud	
WYZ001>002-006	Yellowstone National Park Mt Id - North Absarokas - Teton/Moutains								
	12	1700MST			0	0		Heavy Snow	
	14	0300MST							
Late spring snow storm dropped up to 30 inches of snow in the Northwest Wyoming mountains. Yellowstone National Park was closed for part of June 13th.									
Park County									
Cody	12	1700MST			0	0		Heavy Rain	
	13	2200MST							
Park County									
Powell	12	1700MST			0	0		Heavy Rain	
	13	2200MST							
Heavy rain flooded streets, caused power outages. Amounts ranged up to 3.25 inches. Heavy rain and snow downed power poles and lines on Heart Mountain near Cody.									
Lincoln County									
Kemmerer	12	1703MST 1708MST			0	0		Funnel Cloud	
Park County									
16 SW Cody	24	2301MST			0	0		Thunderstorm Wind (G62)	M
Big Horn County									
Emblem	24	2330MST			0	0		Thunderstorm Wind (G52)	
Tops of large trees snapped off.									
Park County									
21 NE Meeteetse	24	2330MST			0	0		Thunderstorm Wind (G52)	
Large trees downed.									
Park County									
Clark	24	2330MST			0	0		Thunderstorm Wind (G70)	M
Park County									
Cody	24	2349MST			0	0		Thunderstorm Wind (G52)	
Large trees downed by 60 mph+ wind gusts.									
Big Horn County									
Deaver	25	0130MST			0	0		Thunderstorm Wind (G52)	
Estimated 60 mph+ wind gust knocked a tree limb onto a gas meter wedging the regulator open causing a gas leak and subsequent explosion killing 2 people and injuring 2 others.									
Natrona County									
Alcova	26	1425MST 1435MST			0	0		Tornado (F0)	
Several brief tornadoes touched down in Alcova vicinity. Path length/width and Fujita scale estimated.									
Natrona County									
40 SW Casper	26	1445MST 1448MST			0	0		Hail (0.75)	
Big Horn County									
5 NE Greybull	26	1632MST			0	0		Funnel Cloud	
Hot Springs County									
6 SE Thermopolis	26	1645MST			0	0		Thunderstorm Wind (G52)	
1 to 2 inch tree limbs downed.									
Big Horn County									
10 SW Basin	26	1742MST 1747MST			0	0		Tornado (F0)	
Path length/width and Fujita scale estimated.									
Big Horn County									
1 S Greybull	26	1756MST 1802MST			0	0		Tornado (F1)	
Path length/width and Fujita scale estimated.									
Big Horn County									
.5 S Greybull	26	1802MST			0	0		Hail (0.75)	

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
<u>WYOMING, Central and West</u>									
Big Horn County									
1 E Greybull	26	1807MST 1809MST			0	0		Funnel Cloud	
Hot Springs County									
12 WNW Kirby	27	1312MST 1313MST			0	0		Hail (1.00)	
Johnson County									
Sussex	30	1615MST 1616MST			0	0		Hail (1.75)	
<u>WYOMING, Extreme Southwest</u>									
NONE REPORTED.									
<u>WYOMING, North Central</u>									
Sheridan County									
20 SE Sheridan	03	1305MST			0	0		Hail (0.75)	
Sheridan County									
15 SW Sheridan	03	1335MST			0	0		Hail (0.75)	
Sheridan County									
9 SW Clearmont	03	1340MST			0	0		Thunderstorm Wind (G60)	
Wind damage. 3.5 foot diameter tree blown down near Ucross.									
Sheridan County									
23 E Sheridan	03	1730MST			0	0		Hail (1.00)	
1.00 inch hail drifted and was still present on the morning of the 4th.									
Sheridan County									
20 SE Sheridan	03	1930MST			0	0		Hail (0.75)	
WYZ098									
Northeast Bighorn Mountains									
	14	0900MST			0	0		Heavy Snow	
6 inches of new snow reported at Burgess Junction									
Sheridan County									
8 NE Clearmont	27	1420MST			0	0		Hail (1.00)	
Sheridan County									
1 E Leiter	27	1420MST			0	0		Hail (1.00)	
<u>WYOMING, Northeast</u>									
Campbell County									
12 W Wright	03	1325MST 1330MST			0	0	0	Hail (0.88)	
Campbell County									
2 NE Echeta	03	1330MST			0	0	0	Thunderstorm Wind (G73) M	
Campbell County									
Weston	03	1400MST			0	0	0	Thunderstorm Wind (G60)	
A severe thunderstorm moved across northern Campbell County. The storm produced wind gusts to 73 mph measured by the RAWS near Echeta (time was estimated) and downed several large tree limbs in the town of Weston.									
Crook County									
10 SW Aladdin	04	1750MST 2359MST			0	0		Urban/Sml Stream Fld	
Weston County									
Upton	04	1750MST 2359MST			0	0	0	Urban/Sml Stream Fld	
Locally heavy rain produced minor flooding over rural areas of Crook and Weston Counties during the evening hours. Small streams rose out of their banks and 6 inches of standing water was reported on highways. By 8 pm MST the rain had tapered off, and by midnight, the streams had receded back within their banks.									
Campbell County									
2 NW Echeta	08	1915MST			0	0	0	Hail (0.88)	
Campbell County									
Recluse	08	1935MST			0	0	0	Hail (1.00)	
A severe thunderstorm moved across northern Campbell county. The storm produced dime to quarter sized hail.									

Storm Data and Unusual Weather Phenomena

									June 2001
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm	
WYOMING, Northeast									
Campbell County									
7 SE Rozet	09	1419MST 1422MST			0	0		Hail (1.00)	
Crook County									
8 NW Moorcroft to 2 NE Moorcroft	09	1420MST 1430MST			0	0		Hail (1.00)	
Crook County									
4 S Moorcroft	09	1426MST 1436MST			0	0		Hail (0.88)	
Several thunderstorms developed over northeastern Wyoming along a surface trough was associated with an upper level shortwave. Storms quickly became severe and produced large hail.									
Weston County									
6 SW Rochelle	09	1530MST			0	0		Thunderstorm Wind (G67)	M
Weston County									
Newcastle to 1 S Newcastle	09	1550MST 1600MST			0	2		Tornado (F0)	
A low pressure system over Wyoming pulled middle 60s dew points into the region all day. A surface trough moved across northeastern Wyoming initiating thunderstorms. A moderate upper level short wave provided support for sustained organized thunderstorms to become severe. Strong instability was noted with CAPE values around 4000 J/kg with moderate shear in the lower 6km of the atmosphere. A thunderstorm developed over Weston County, with 67 mph winds measured at the RAWS southwest of Rochelle (time was estimated) and spawning a tornado over the southeast side of Newcastle. Several reports of tornado sightings and tree damage were received during the 10 minutes the tornado was on the ground. Tree limbs were thrown over 150 feet, breaking windows and downing power lines. Several large trees were uprooted. A facade of a Forest Service shop building collapsed and a carport was destroyed. Two people received minor injuries from flying debris.									
Campbell County									
3 S Gillette to 5 SE Gillette	12	1227MST 1240MST			0	0		Tornado (F0)	
An F0 tornado developed quickly 3 miles south of Gillette. The tornado was on the ground for just 13 minutes as it moved southeast. Gillette Fire Dept. reported the tornado touching down. The storm moved over an oil field where it did minor damage to oil treating equipment.									
Campbell County									
10 S Gillette to 14 SE Gillette	12	1230MST			0	0	0	Tornado (F0)	
Law enforcement reported a tornado touching down 10 miles south of Gillette. The storm moved southeast 4 miles downing numerous power lines.									
Campbell County									
10 S Gillette	12	1240MST			0	0		Hail (1.75)	
Weston County									
5 N Osage	12	1335MST			0	0		Hail (1.00)	
Weston County									
Clareton	12	1409MST			0	0		Hail (1.00)	
Weston County									
15 W Osage	12	1415MST			0	0		Hail (0.75)	
Weston County									
Clareton	12	1416MST			0	0		Hail (1.00)	
Weston County									
Upton	12	1510MST			0	0		Hail (1.75)	
Weston County									
Newcastle	12	1522MST			0	0		Hail (1.00)	
Weston County									
5 N Osage	12	1535MST			0	0		Hail (1.00)	
Weston County									
17 S Newcastle	12	1542MST			0	0		Hail (0.75)	
Several severe and tornadic thunderstorm developed and moved across northeastern Wyoming. Most storms produced brief tornados, however other thunderstorms did manage to produce large hail. Some of the tornadic storms produced large hail along with the tornado, and even continued to produce large hail after the tornados had dissipated.									
Campbell County									
30 SSE Gillette to 30 SE Gillette	12	1250MST 1340MST			0	0		Tornado (F1)	

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
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WYOMING, Northeast

Weston County

25 SW Upton to
13 SW Upton

12 1340MST
1356MST

0 0

Tornado (F0)

This tornadic thunderstorm developed 30 miles southeast of Gillette and moved east-northeast across a sparsely populated track of eastern Campbell county. Reports from the public were received about every 10 to 15 minutes, however no one continuously followed the storm. Some reports indicated that the tornado would briefly touch down, and then rise back up off the ground. This lead to media reports of numerous tornados. The storm did manage to blow the roof off a new house under construction, and tore sheet metal off of sheds and toss portable toilets around. This storm crossed into Weston County at 140 pm mst. Local law enforcement tracked the storm for 16 minutes. The tornado did not encounter any people or property as it moved across northwestern Weston County.

Weston County

Rochelle to
7 SE Clareton

12 1335MST
1439MST

0 0

Tornado (F1)

This tornado developed over Rochelle in southwestern Weston County, moving northeast to 7 miles southeast of Clareton. No one continuously tracked this storm as spotters were focused on another tornado in the county at the same time. A plot of damage reports received does follow the track of the meso-cyclone of the parent thunderstorm. It is likely that this tornado displayed an "up and down" intermittent tendency like many of other storms in the area at this time. This storm did do damage when it encountered property. It tipped over a mobil home 7 miles northeast of Rochelle and another blown over 7 miles southeast of Clareton. This storm also damaged a barn roof and out buildings as well as breaking windows in a residence southeast of Clareton.

Weston County

Newcastle

12 1636MST
1646MST

0 0

Hail (0.75)

Campbell County

7 N Wright

12 1830MST

0 0

Thunderstorm Wind (G52)

Campbell County

Gillette Arpt

12 1857MST

0 0

Thunderstorm Wind (G54)

M

Campbell County

Echeta

12 1900MST

0 0

Thunderstorm Wind (G51)

M

Campbell County

6 S Rozet

12 1908MST

0 0

Thunderstorm Wind (G61)

Weston County

19 SW Upton

12 1915MST

0 0

Thunderstorm Wind (G52)

After tornados and large hail earlier in the day, another area of numerous thunderstorms developed over northeastern Wyoming. These storms produced very gusty outflow winds in contrast to the hail and tornados earlier.

Crook County

3 S Moorcroft

12 1926MST

0 0

Thunderstorm Wind (G52)

Crook County

Sundance

12 1930MST

0 0

Thunderstorm Wind (G50)

Several small trees were blown down.

Campbell County

15 S Gillette

27 2015MST
2025MST

0 0

0

Hail (1.75)

Campbell County

6 SE Gillette

27 2020MST
2030MST

0 0

0

Hail (1.00)

Campbell County

Wyodak

27 2046MST
2056MST

0 0

0

Hail (1.75)

Severe thunderstorms produced large hail across Campbell County.

Crook County

16 N Hulett

30 0030MST
0040MST

0 0

0

Hail (1.00)

One inch diameter hail and 1.75 inches of rain was reported by a spotter.

Crook County

35 N Sundance

30 0600MST
0800MST

0 0

Flash Flood

Locally heavy rain from thunderstorms overnight produced a flash flood on the Little Missouri River at Government Canyon. A road was washed out and eight feet of water was covering the roadway.

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of	Estimated			June 2001
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed	Damage Property	Crops	Character of Storm	
<u>WYOMING, Southeast</u>									
Platte County									
17 SW Wheatland	03	1120MST 1122MST			0	0		Tornado (F0)	
Brief tornado reported by public.									
Converse County									
20 N Glenrock	03	1359MST 1404MST			0	0		Hail (1.00)	
Laramie County									
5 W Cheyenne	03	2240MST 2244MST			0	0		Hail (0.75)	
Laramie County									
Carpenter	07	1755MST 1759MST			0	0		Hail (0.75)	
Laramie County									
5 W Cheyenne	07	1755MST 1800MST			0	0		Hail (0.75)	
Laramie County									
Cheyenne	07	1830MST 1834MST			0	0		Hail (0.75)	
Laramie County									
2 S Cheyenne	07	1830MST 1846MST			0	0		Hail (0.75)	
Laramie County									
Pine Bluffs	07	1854MST 1859MST			0	0		Hail (1.00)	
Laramie County									
Cheyenne	07	1905MST 1909MST			0	0		Hail (0.75)	
Laramie County									
7 NE Cheyenne	07	1915MST 1918MST			0	0		Hail (1.00)	
Laramie County									
15 ESE Cheyenne	07	1933MST 1937MST			0	0		Hail (1.25)	
Laramie County									
5 N Carpenter	07	1950MST 1954MST			0	0		Hail (0.88)	
Laramie County									
10 E Cheyenne	08	1607MST 1611MST			0	0		Hail (0.75)	
Laramie County									
8 E Cheyenne	08	1615MST 1620MST			0	0		Hail (1.75)	
Laramie County									
12 E Cheyenne	08	1620MST 1625MST			0	0		Hail (0.75)	
Laramie County									
Cheyenne Arpt	09	1545MST 1600MST			0	0		Thunderstorm Wind (G53)	M
Several wind gusts in excess of 50 knots.									
Converse County									
20 N Douglas	12	1259MST 1301MST			0	0		Tornado (F0)	
Unconfirmed tornado reported 20 miles north of Douglas, WY.									
Niobrara County									
24 N Lance Creek	12	1405MST 1407MST			0	0		Tornado (F0)	
Brief tornado touchdown 13 miles west of Mule Creek Junction.									

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Estimated Damage Property	Crops	Character of Storm
WYOMING, Southeast								
Niobrara County								
5 N Lance Creek	12	1415MST 1419MST			0	0		Hail (1.00)
Niobrara County								
1 N Lance Creek	12	1430MST 1435MST			0	0		Hail (1.00)
Platte County								
25 NW Wheatland	20	1555MST 1601MST			0	0		Hail (1.00)
Platte County								
14 W Wheatland	20	1638MST 1641MST			0	0		Hail (0.75)
Platte County								
1 NW Chugwater	20	1711MST 1714MST			0	0		Hail (0.75)
Laramie County								
Burns	29	1653MST 1658MST			0	0	30K	Hail (2.75)
Laramie County								
20 E Cheyenne	29	1655MST 1659MST			0	0		Hail (1.00)
Laramie County								
5 W Cheyenne	29	1725MST 1730MST			0	0		Hail (0.75)
Laramie County								
2 W Cheyenne	29	1734MST 1738MST			0	0		Hail (0.75)
Laramie County								
1.5 E Federal	29	1748MST 1751MST			0	0		Hail (0.75)
Laramie County								
8 SW Cheyenne	29	1830MST 1835MST			0	0		Hail (0.75)
Platte County								
Chugwater to 3 S Chugwater	29	2045MST 2055MST			0	0		Hail (0.75)
Laramie County								
3 S Burns	30	1400MST 1405MST			0	0		Hail (1.75)
Laramie County								
3 NE Carpenter	30	1420MST 1425MST			0	0		Hail (1.50)

Storm Data and Unusual Weather Phenomena

August 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

ADDITIONS/CORRECTIONS

KANSAS, Northwest

Sherman County

Goodland Arpt	14	2253MST			0	0			Hail (1.00)
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Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

May 1997

ADDITIONS/CORRECTIONS

KANSAS, Northwest

Sherman County

Goodland Arpt

18 1738MST

0

0

Thunderstorm Wind (G52)

Gust to 66 mph also reported at KLOE Radio 2 miles south of Goodland at 543 pm.

Storm Data and Unusual Weather Phenomena

February 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Crops	Character of Storm
Killed	Injured	Property							

ADDITIONS/CORRECTIONS

FLORIDA, Southern

FLZ067>069-071>078 Inland Palm Beach - Coastal Palm Beach - Coastal Collier - Inland Broward - Coastal Broward - Inland Dade - Coastal Dade - Mainland Monroe - Monroe/Upper Keys - Monroe/Middle Keys - Monroe/Lower Keys

02 0800EST 1 0 High Wind (G40)
2200EST
M35BO

Monroe County Duck Key 02 1540EST 0 0 Thunderstorm Wind (G65)

Monroe County Big Pine 02 1625EST 0 0 Thunderstorm Wind (G65)
1630EST
Two trees fell into house.

Monroe County Duck Key 02 1725EST 0 0 Thunderstorm Wind (G71)
Reported from Conch Key just north of Duck Key.

Monroe County Marathon 02 1735EST 0 0 Thunderstorm Wind (G61)
Recorded at C-MAN SMKF.

Monroe County Duck Key 02 1740EST 0 0 Thunderstorm Wind (G85)
1750EST
Sustained wind 50 KTS at 1740 EST...Sustained 65 KTS at 1745...Gust to 85 KTS at 1750 EST.

Monroe County Marathon 02 1845EST 0 0 Hail (1.75)
Golf ball size hail. Several trees blown down.

Monroe County Marathon 02 1847EST 1 50 0 0 20M Tornado (F1)
1850EST
Tornado moved from south across Grassy Key near MM 56.5.

Monroe County Islamorada 02 1910EST 0.5 25 0 0 Tornado (F0)
1915EST
Tornado moved from the south across Islamorada near MM 80. Extensive damage to homes and businesses. Widespread tree and vegetation loss.

Monroe County Key Largo 02 1952EST 0 0 Thunderstorm Wind (G73)
Recorded at C-MAN MLRF.

Monroe County Long Key 02 2000EST 0 0 Thunderstorm Wind (G104)
Recorded at C-MAN LONF1. Not reported in real time as primary sensor blew away and was found down the beach.

Dade County (Hst)Homestead Afb 02 2011EST 0 0 Thunderstorm Wind (G57)
2020EST

Dade County Cutler Ridge 02 2015EST 0 0 Thunderstorm Wind (G61)
2020EST

Dade County (Mia)Miami Intl to Carol City 02 2022EST 14 200 0 0 175M Tornado (F2)
2034EST

At 2022 est f1-f2 tornado touched down nw 36th st/curtis parkway damaging about 12 planes at mia international airport. The mia asos recorded a gust of 90 knots. The f2 tornado crossed through virginia gardens and south miami springs in a 100-200 yard path damaging many buildings and hurling a 2 by 4 board through an apartment door. Showing f1 intensity the tornado continued through miami springs uprooting trees and damaging roof tops. At 2027 est the tornado intensified to f2 into south hialeah severely damaging structures. the tornado weakened to f1 near hialeah race track and the path widened to one to three miles...with indications of three or four individual tornadoes of f1 intensity moving in tandem to the north.. at 2031 est the main tornado reintensified to f2 status as it approached opa locka airport severely damaging the roof of the ups facility then damaging or destroying 140 aircraft and a hangar at the airport blowing some debris nearly a half mile. The tornadoes weakened to f1 status as they moved through carol city damaging homes and utility poles.

Storm Data and Unusual Weather Phenomena

February 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

ADDITIONS/CORRECTIONS

FLORIDA, Southern

Broward County

**Miramar to
Plantation**

02 2034EST 7 200 0 0 30M Tornado (F1)
2044EST

At 2034 est the f1 tornadoes crossed the dade-broward counties line and damaged a strip shopping center in miramar. The multiple tornadoes moved across north perry airport at 2036 est where 40 aircraft were destroyed and 40 aircraft were damaged. The tornadoes weakened to f0-f1 intensity as they continued north-northeast damaging a shopping center in davie near orange rd/hiatus rd.

...a developing low pressure over the north gulf of mexico resulted in a tightening pressure gradient over south florida and adjacent waters. Southeast winds sustained at gale force with higher gusts occurred through most of 02/02/98. A pre-frontal trough of low pressure developed over the southeastern gulf of mexico early 02/02/98. This resulted in a highly unstable airmass which was lifted by strong mid and upper level jets by late afternoon. Tornado and severe thunderstorm producing storms moved through the florida keys between 1530

And 1930 est. The thunderstorms moved over south florida between 1930 and 2130 est. The culmination of gail force winds...several severe thunderstorms and two tornadoes resulted in widespread damage in the florida keys. Trees...power lines and light poles were down most locations south of key largo. Some minor coastal flooding occurred. Boats were capsized and docks were damaged. A support buoy for an underwater lab was dislodged and drifted ashore. Fema reported one house completely destroyed and 23 homes damaged. Several businesses were damaged. Extensive damage occurred to the fishing industry primarily loss of lobster traps.

Storm Data and Unusual Weather Phenomena

January 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
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ADDITIONS/CORRECTIONS

TENNESSEE, Central

Benton County

3.3 W Camden to 2.6 S Faxon	22	0320CST 0335CST	15	220	1	5	1M		Tornado (F3)
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This tornado resulted in the only fatality in Middle Tennessee from the severe weather outbreak of January 22, 1999. The tornado killed a 50 year old woman who left her shelter in a brick ranch home located on Cedar Grove Road. She went outside to get her dogs inside her home, and that's when the tornado struck and killed her. Her husband remained inside the home and survived. There were 5 injuries from the tornado. A 1600 square foot frame home was moved 10 to 12 feet from its foundation. 12 homes were destroyed, 33 homes sustained damage and 5 businesses were damaged. Power lines and trees were blown down. The winds picked up a 7500 pound Cadillac, and hurled its engine 300-400 yards into a field. The chassis, its empty metal skin, was hurled even further. F500U

Montgomery County

Clarksville to 4.3 NE Clarksville	22	0415CST 0420CST	4.3	880	0	5	72.7M		Tornado (F3)
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An F3 tornado struck Clarksville at 415 AM, travelled through the downtown area and dissipated near St. Bethlehem. There were 5 injuries, 2 of them were for broken bones. Clarksville has a population of 89,000 people is Tennessee's fifth largest city. 25,000 people were without power. The Tornado Warning was issued by the NWS at 354 AM CST. The NOAA Weather Radio alerted the sleepy residents of Clarksville and urge them to take cover immediately. The tornado ripped apart a 5 block area of downtown Clarksville and teared up buildings in Austin Peay State University. Once the tornado ravaged the city, downtown Clarksville resembled bombed-out London during World War 2. Bricks and glass were strewn everywhere. The photo editor of the Leaf-Chronicle newspaper s, Fred Dye, said "It looked like somebody walked through with a broom and knocked over whatever was loose enough to knock down." The Montgomery county court house was in ruins. The City Fathers planned on rebuilding the court house. It was last rebuilt after a fire in 1878. The Leaf-Chronicle newspaper office was severely damaged. The newspaper had to set up a temporary office in Hopkinsville, KY. 22 buildings were heavily damaged at Austin Peay State University. Also, several old churches were heavily damaged in Clarksville. The Madison Street United Methodist Church lost its spires and roof. It will take about 2 years to rebuild the church. The Trinity Episcopal Church lost its roof. Police closed off downtown Clarksville from 6 PM-6 AM in order to prevent looting. The National Guard was on duty as well. On January 23, FEMA Director James Lee Whitt toured the devastation. He exclaimed, "Wow!" "It's like someone dropped a bomb on it. That's just what it look like." There was a total of 124 buildings destroyed and 562 buildings damaged. These figures included residential, commercial, government, public and buildings at Austin Peay.

Humphreys County

Gorman to Mc Ewen	22	0443CST 0449CST	4	220	0	1	500K		Tornado (F2)
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Downed trees were reported from Gorman to McEwen. The hardest hit area was McEwen with 4 homes totally destroyed, 8 homes having severe damage, and 38 homes receiving minor damage. 8 to 10 outbuildings were destroyed and 60 trees were lost. 8 cars or trucks were damaged or destroyed. A man suffered a broken neck in his trailer.

Storm Data and Unusual Weather Phenomena

July 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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ADDITIONS/CORRECTIONS

WYOMING, Northeast

Campbell County									
8 SE Gillette	07	1545MST			0	0			Hail (0.75)
Crook County									
25 NW Hulett	07	1635MST			0	0			Thunderstorm Wind (G52)
Crook County									
21 N Hulett	07	1700MST			0	0			Hail (1.00)
Weston County									
10 W Upton	15	1515MST			0	0			Hail (0.75)
Campbell County									
20 SE Gillette	15	1525MST			0	0			Hail (1.00)
Crook County									
14 SW Sundance	15	1615MST			0	0			Hail (1.00)
Weston County									
6 N Upton	15	1615MST			0	0			Hail (1.00)
Hail was one foot deep along the Crook and Weston county line.									
Weston County									
15 W Four Corners	15	1640MST			0	0			Thunderstorm Wind (G52)
Crook County									
Devils Tower	15	1715MST			0	0			Hail (0.88)
Weston County									
5 SW Newcastle	17	1424MST	0.1	10	0	0			Tornado (F0)
Brief touchdown. Path width and length estimated.									
Weston County									
4 SW Upton	20	1907MST			0	0			Hail (0.75)
Weston County									
16 SW Upton	20	2000MST			0	0			Hail (0.75)
Campbell County									
Countywide	21	1700MST			0	0			Lightning
11 fires were started throughout the county due to lightning striking rangeland and hay bales. The largest fire reached 300 acres before firefighters were able to contain it.									
Campbell County									
Echeta	21	1715MST			0	0			Thunderstorm Wind (G66)

Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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ADDITIONS/CORRECTIONS

MARYLAND, South

MDZ022>023

Wicomico - Somerset

25 0600EST 0 0 Winter Storm
2200EST

A significant winter storm affected southern Maryland with six to nine inches of snow and freezing rain. Precipitation fell as a mixture of snow, sleet, and freezing rain during the morning hours, then changed to all snow by late afternoon. Wicomico county including Salisbury received 6 to 9 inches, and Somerset county picked up 6 inches. Winds gusted over 30 mph, producing blowing and drifting snow during the late afternoon and evening hours.

MDZ021

Dorchester

25 0600EST 0 0 Winter Storm
2200EST

A significant winter storm affected Dorchester county with between 9 and 14 inches of snow. Snow mixed with sleet and freezing rain during the morning and early afternoon hours. Winds gusting over 30 mph created blowing and drifting snow. Very cold air built in behind the storm system, preserving the snowpack for over a week.

MDZ024>025

Inland Worcester - Maryland Beaches

25 1000EST 0 0 20K Winter Storm
2200EST

A significant winter storm affected southern Maryland with a variety of weather. Precipitation began as rain during the morning, then changed to freezing rain and sleet during the afternoon. Snow then mixed in during the evening hours before ending. Winds over 40 mph created some blowing snow during the evening. Snowfall totals of 1 to 2 inches were reported across Worcester county. Minor beach erosion was reported near Ocean City.

NORTH CAROLINA, North Coastal

NCZ012

Northampton

24 2300EST 0 0 Winter Storm
25 1900EST

A significant winter storm affected northeast North Carolina with snowfall amounts in Northampton county of between 7 and 10 inches. There was blowing and drifting of snow from winds which gusted over 30 mph at times. Very cold temperatures built in following the storm system, preserving the snowpack for up to a week.

NCZ030

Bertie

24 2300EST 0 0 Winter Storm
25 1800EST

A significant winter storm dropped between 5 and 6 inches of snow across Bertie county. There was some blowing and drifting of snow due to winds which gusted over 30 mph at times. Precipitation actually began as rain, which changed to heavy snow. Snow then mixed with sleet and freezing rain during the day. Very cold air built in behind the storm system, preserving the snowpack for nearly a week.

NCZ013>014

Hertford - Gates

25 0000EST 0 0 Winter Storm
1900EST

A significant winter storm dumped 3 to 4 inches of snow across Hertford county, and around 4 inches in Gates county. There was some blowing snow due to winds gusts over 30 mph during the storm. Precipitation began as rain, but then changed to snow during the morning hours. Snow was then mixed with sleet and freezing rain periodically. Very cold air built in behind the storm system and preserved the snowpack for several days.

NCZ015>016-031>032

Pasquotank - Camden - Chowan - Perquimans

25 1200EST 0 0 Winter Storm
1800EST

A winter storm affected northeast North Carolina with a mixture of snow, sleet, rain, and freezing rain. Precipitation began early in the morning as wind-blown rain. Rain then mixed with snow, sleet, and freezing rain during the afternoon hours, with general accumulations of 2 to 4 inches reported. Winds gusting over 40 mph created some blowing snow and power outages. Specific county accumulations were: Chowan county 3 to 4 inches, Perquimans county 2 inches, Pasquotank county 2 to 3 inches, and Camden county 2 to 3 inches.

VIRGINIA, East

VAZ048>049-060>062-068

Fluvanna - Louisa - Prince Edward - Cumberland - Goochland - Amelia
2 5 0100EST 0 0 Winter Storm
2000EST

A major winter storm dumped between 8 inches and one foot of snow across portions of central Virginia. Significant blowing and drifting of snow occurred with winds gusting over 30 mph. A period of far below normal temperatures occurred after the storm, preserving the snowpack for over one week. Specific county totals were: Louisa county 8 to 12 inches, Fluvanna county 8 inches, Goochland county 9.5 inches, Cumberland county 10 inches, Powhatan county, 9 inches, Amelia county 10 inches, Prince Edward

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of		Estimated	Crops	Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Damage		

January 2000

ADDITIONS/CORRECTIONS

VIRGINIA, East

county 6 to 10 inches.

VAZ063>067-070>077-079>083-088 **Hanover - Caroline - Mecklenburg - Lunenburg - Nottoway - Chesterfield - Henrico - King William - King And Queen - Essex - Westmoreland - Richmond - Northumberland - Brunswick - Dinwiddie - Prince George - Charles City - New Kent - Sussex**

25 0100EST 2000EST 0 0 Winter Storm

A significant winter storm dumped over one foot of snow across much of central and eastern Virginia, with isolated amounts of up to 19 inches reported. There was also significant blowing and drifting of snow as winds gusted over 30 mph during the storm. The Richmond International Airport was closed during this storm. A very cold air mass built into the region after the storm, preserving the snowpack for over a week in many areas. Snow drifts of 3 to 5 feet were reported, especially in the south central Virginia counties of Dinwiddie, Brunswick, and Mecklenburg. Specific county totals were: Mecklenburg county 13 to 16 inches, Lunenburg county 13 to 14 inches, Brunswick county 12 inches, Nottoway county 12 to 15 inches, Dinwiddie county including Petersburg city 14 to 18 inches, Prince George county including Hopewell 10 to 15 inches, Chesterfield county including Colonial Heights 9 to 15 inches, Charles City county 15 inches, Henrico county including Richmond city 10 to 12.5 inches, New Kent county 16 inches, Hanover county 9 to 12 inches, King William county 12 to 16 inches, King and Queen county 14 to 16 inches, Caroline county 12 inches, Essex county 16 to 17 inches, Richmond county 11 to 12 inches, Westmoreland county 12 to 13 inches, and Northumberland county 12 inches.

VAZ084-087-089>090-092>093-096 **Gloucester - Greensville - Surry - James City - Southampton - Isle Of Wight - Suffolk**

25 0100EST 2000EST 1 0 20K Winter Storm

A significant winter storm dropped 8 to 12 inches of snow across portions of eastern Virginia. There was blowing and drifting of snow from winds which gusted over 40 mph at times. The snow mixed with sleet and freezing rain occasionally during the late morning hours. In Isle of Wight county, strong winds pushed the Pagan River onto South Church Street. In Suffolk, the Nansemond River overflowed its banks and covered the Main Street bridge. Tidal flooding also occurred on Constance and Wilroy Roads. Specific county snowfall totals were: Greensville county including Emporia 12 inches, Southampton county 10 to 12 inches, Isle of Wight county 7 to 8 inches, James City county including Williamsburg city 8 to 9 inches, Gloucester county 7 inches.

M?OU

VAZ085>086-091-094>095 **Middlesex - Mathews - York - Newport News - Norfolk**

25 0300EST 2000EST 0 0 Winter Storm

A significant winter storm affected eastern Virginia with snowfall totals generally in the 6 to 8 inch range. Precipitation began as rain in most locations, but then changed to snow through the morning hours. Snow then mixed with sleet and freezing rain through the afternoon. Winds gusting over 40 mph, especially near the bay and rivers, created blowing and drifting snow. In Hampton, significant flooding was reported in the Granview area. Many creeks feeding into the bay were swollen and covered secondary roads. Minor tidal and street flooding was reported in Poquoson. Specific county and city totals include: Suffolk 7 inches, Norfolk 6 inches, Portsmouth 4 inches, Newport News 6 to 10 inches, Poquoson 3 to 7 inches, York county 6 to 10 inches, Mathews county 4 to 7 inches, and Middlesex county 5 to 6 inches.

VAZ099>100 **Accomack - Northampton**

25 0600EST 2000EST 0 0 Winter Storm

A significant winter storm affected the Virginia eastern shore with several inches of snow, high winds, and some minor beach erosion. Northampton county reported general 1 to 3 inch accumulations and Accomack county had 1 to 2 inches. Precipitation began as rain, which changed to a mixture of snow, sleet, and freezing rain during the afternoon. Winds gusted over 50 mph which created some blowing snow during the late afternoon and evening hours.

VAZ098 **Virginia Beach**

25 1200EST 1900EST 0 0 50K Winter Storm

A winter storm affected Virginia Beach with between 2 and 4 inches of snow. Precipitation began early in the morning as rain, which changed to a mixture of snow, sleet, and freezing rain during the afternoon. Winds gusting over 50 mph created some blowing snow in the late afternoon and evening hours. Eighty-four automobile accidents were reported during the storm in Virginia Beach alone. Portions of Interstate 264 were closed. Moderate beach erosion was experienced, especially in the Sandbridge area. Blowing sand closed portions of Sandfiddler Road. The U.S. Coast Guard rescued four crew members of a vessel four miles west of Cape Charles when their craft was caught in dangerously rough seas.

Storm Data and Unusual Weather Phenomena

June 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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ADDITIONS/CORRECTIONS

GEORGIA, North and Central

Cobb County

Marietta 25 1210EST 1215EST 0 0 Hail (0.75)

The public reported dime size hail on Johnsons Ferry Road and on South Cobb Drive in the east part of Marietta.

Fulton County

Sandy Spgs 25 1210EST 1240EST 0 0 Hail (0.75)

Numerous reports were received from the public of dime size hail from the Sandy Springs area in the northwest part of Fulton county.

Gwinnett County

Norcross 25 1245EST 0 0 Hail (1.00)

The public reported quarter size hail.

Rockdale County

**Conyers to
1 E Conyers** 25 1245EST 1300EST 0 0 Hail (1.00)

Several reports were received from the public of dime to quarter size hail. One report said the hail was covering the ground.

Gwinnett County

Norcross 25 1255EST 0 0 Hail (0.75)

The public reported dime size hail in the Peachtree Corners area of Norcross.

Fulton County

East Pt 25 1300EST 0 0 Hail (0.75)

The public reported dime to a little larger than dime size hail.

Walton County

Loganville 25 1300EST 0 0 Hail (1.25)

The public reported dime to half-dollar size hail.

Walton County

**Loganville to
Campton** 25 1300EST 1305EST 0 0 2K Thunderstorm Wind

The public reported two large oak trees were blown down in Campton and another large 2 foot diameter oak tree was blown down in Loganville.

Newton County

Covington 25 1309EST 0 0 Hail (0.75)

The public reported dime size hail.

Barrow County

Winder 25 1325EST 0 0 Hail (0.75)

The public reported dime size hail.

Rockdale County

**Conyers to
4 SE Conyers** 25 1325EST 0 0 Hail (1.75)

The public reported dime to golfball size.

Newton County

1 E Covington 25 1330EST 0 0 Hail (0.88)

The public reported nickel size hail.

Clayton County

**Lovejoy to
Jonesboro** 25 1333EST 1345EST 0 0 Hail (1.00)

The public reported dime to quarter size hail.

Henry County

Hampton 25 1335EST 0 0 Hail (1.00)

The public reported quarter size hail.

Walton County

6 W Monroe 25 1338EST 0 0 1.5K Thunderstorm Wind

The public reported some oak trees knocked down.

Gwinnett County

Snellville 25 1340EST 0 0 Hail (1.00)

The public reported dime to quarter size hail.

Pike County

Williamson 25 1400EST 0 0 Hail (0.75)

The Zebulon police relayed a report of dime size hail in Williamson.

Storm Data and Unusual Weather Phenomena

June 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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ADDITIONS/CORRECTIONS

GEORGIA, North and Central

Gwinnett County									
Snellville	25	1410EST			0	0			Hail (1.25)
			The public reported half-dollar size hail.						
Monroe County									
Forsyth	25	1440EST			0	0			Hail (0.75)
			The Forsyth police and the public reported dime size hail.						
Monroe County									
Forsyth	25	1440EST			0	0	2K		Thunderstorm Wind
			The Monroe county 911 center reported that trees were down.						
Banks County									
Homer	25	1515EST			0	0	1.5K		Thunderstorm Wind
			The Homer police reported three trees down on Hembre Road and one tree down on Fort Lamar Road.						
Putnam County									
Flat Rock	25	1530EST			0	0			Hail (0.75)
			The Gold Store in Flat Rock reported dime size hail.						
Putnam County									
Flat Rock	25	1530EST			0	0	8K		Thunderstorm Wind
			The Gold Store in Flat Rock reported several trees down, including one that damaged a house.						
Carroll County									
Villa Rica	25	1533EST			0	0			Hail (1.00)
			The public reported quarter size hail.						
Paulding County									
Dallas to Hiram	25	1540EST			0	0	2K		Thunderstorm Wind
			The Paulding county 911 center and a storm spotter reported several trees.						
Haralson County									
Buchanan	25	1630EST			0	0			Hail (0.75)
			The public reported dime size hail.						
Chattahoochee County									
Cusseta	25	1645EST			0	0			Hail (0.75)
			The Chattahoochee county 911 center reported dime size hail.						
Chattahoochee County									
Cusseta	25	1645EST			0	0	1.5K		Thunderstorm Wind
			The Chattahoochee county 911 center reported two trees down on U.S. Highway 27.						
Marion County									
Buena Vista	25	1700EST			0	0	1.5K		Thunderstorm Wind
			The public reported two trees down, one on County Road 97 and the other on County Road 163.						
Webster County									
9 N Weston	25	1700EST			0	0			Hail (0.75)
			The public reported dime size hail.						
Stewart County									
2 S Lumpkin to 3 S Lumpkin	25	1755EST			0	0	2K		Thunderstorm Wind
			The public reported two trees down 2 miles south of Lumpkin on Trotman Road and two more trees down on U.S. Highway 27, 3 miles south of Lumpkin.						

Storm Data and Unusual Weather Phenomena

November 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Property		Crops	Character of Storm
					Killed	Injured					

ADDITIONS/CORRECTIONS

NORTH DAKOTA, Central and West

Burleigh County

6 N Bismarck to
10 NNW Bismarck

01 1355CST 3 50 0 2 Tornado (F1)

Tornado touched down near highway 83 in north Bismarck and traveled in a west..northwest direction. Forty two homes sustained minor to moderate damage and injuring two people.

Burleigh County

10 N Bismarck to
13 NW Bismarck

01 1433CST 5 100 0 0 55K Tornado (F2)

Tornado touched down in a sparsely developed area in open country along highway 1804. The tornado skipped in a west..northwest direction. One home was heavily damaged. Several bales of hay were destroyed. The tornado crossed the Missouri River into Morton county.

Morton County

5 N Mandan to
12 NW Mandan

01 1500CST 12 50 0 0 Tornado (F1)

Tornado crossed the Missouri River from Burleigh county and moved in a northwest direction skipping across the open country side. The tornado then entered into Oliver county.

Oliver County

14 SE Center

01 1540CST 5 50 0 0 Tornado (F1)

Tornado entered Oliver county from Morton county. The tornado remained in open country then lifted back into the clouds 14 miles southeast of Center.

McLean County

8 SW Mercer to
11 N Washburn

01 1558CST 20 40 0 0 Tornado (F0)

Tornado touched down in open country skipping in a west direction across the country side.

The tornado outbreak on the 1st of November was a rare and unusual weather phenomena to occur so late in the year in North Dakota. The last recorded tornado to occur in the state was October 11th 1979 in Sargent county in southeastern North Dakota. Several tornadoes, with five distinct paths, hit south central North Dakota causing property damage and injuries. The majority of the damage and injuries occurred in the Bismarck area. Forty two homes sustained minor to major damage. The tornadoes were rated F0 and F1 on the Fujita scale, packing winds up to 90 mph. Another unusual phenomena observed were that these tornadoes traveled from east to west. This was caused by an intense low pressure system , centered over north central South Dakota, spinning counterclockwise, allowing the low level flow over Bismarck to move east to west. At the same time period these tornadoes were occurring, snow began to fall in the far western area of North Dakota. Winter storm watches and warnings were posted across north central and western North Dakota that afternoon.

Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Number of		Estimated		December 2000	
		Local/	Length	Width	Persons		Damage			
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

ADDITIONS/CORRECTIONS

NEW JERSEY, South and Northwest

Burlington County							
Edgewater Park	17	0820EST	0	0	250K	0	Lightning

17	0820EST	0	0	250K	0	Lightning
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0	0	250K	0	Lightning
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0 250K 0 Lightning

250K 0 Lightning

0 Lightning

Lightning

A bolt of lightning struck the cupola of the roof of a furniture showroom in Edgewater Park. The ensuing fire damaged the building and destroyed approximately \$165,000 in merchandise. No serious injuries were reported.

Storm Data and Unusual Weather Phenomena

February 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
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ADDITIONS/CORRECTIONS

ARKANSAS, East

Poinsett County

**2 W Uno to
2 NE Pitts** **24** **1741CST
1755CST** **4** **25** **0** **0** **75K** **Tornado (F1)**

The tornado moved into Poinsett county from Jackson county and continued to move northeast. One mobile home was demolished. Four other mobile homes were overturned. A few houses were damaged. One shed was blown over. A few trees were knocked down.

Craighead County

**7 W Jonesboro to
Jonesboro** **24** **1800CST
1815CST** **0** **0** **25K** **Thunderstorm Wind (G55)**

A few homes were damaged. Several building on the Arkansas State University campus were damaged. A barn and an unoccupied mobile home were also damaged. Several trees were blown down.

Cross County

Hickory Ridge **24** **1835CST
1840CST** **0** **0** **5K** **Thunderstorm Wind**

Some power lines were blown down.

Phillips County

**6 SW Mosby Spur to
Mosby Spur** **24** **1845CST
1900CST** **6** **100** **0** **2** **50K** **Tornado (F2)**

The tornado moved into the southeast corner of Phillips county from northern Desha county. The tornado struck several mobile homes just southwest of Mosby. Two mobile homes and a farm shop were destroyed. Two people from one of the mobile homes were injured.

Craighead County

Bay **24** **1853CST
1900CST** **0** **0** **0.01K** **Hail (0.75)**

Clay County

Countywide **24** **1915CST
1925CST** **0** **0** **20K** **Thunderstorm Wind**

Some trees, power lines and power poles were knocked down.

Cross County

Cherry Vly **24** **1915CST
1920CST** **0** **0** **1K** **Thunderstorm Wind**

One large tree was blown down.

Craighead County

Lake City **24** **1920CST
1925CST** **0** **0** **25K** **Thunderstorm Wind**

Some warehouses were damaged. Many trees and power lines were blown down.

Greene County

Countywide **24** **1920CST
1930CST** **0** **0** **10K** **Thunderstorm Wind**

Several trees were blown down across the county.

Poinsett County

6 E Lepanto **24** **1945CST
1950CST** **0** **0** **0.01K** **Hail (0.75)**

Crittenden County

West Memphis **24** **1950CST
1955CST** **0** **0** **5K** **Thunderstorm Wind**

Some power lines were knocked down.

MISSOURI, Southwest

Webster County

**5 SE Seymour to
6 E Seymour** **24** **1524CST
1530CST** **5** **50** **0** **0** **155K** **Tornado (F1)**

A tornado developed in northeast Webster County near Highway K or 5 miles southeast of Seymour. It moved northeast into extreme southwest Wright County near Highway 60. Damage was relatively light as it remained in rural areas. Four outbuildings were damaged near the intersection of Foxgrape Road and Pee Wee Crossing. A hay barn was damaged near Highway 60. Tree damage was intermittent along the path of the tornado. Top winds were estimated at 115 mph.

Wright County

**1.5 NW Cedar Gap to
2 N Cedar Gap** **24** **1530CST
1534CST** **1.5** **50** **0** **0** **0** **Tornado (F0)**

This is the continuation of the Webster County tornado that moved into extreme southwest Wright County. Damage was mainly confined to trees approximately 1 to 1.5 miles across the Wright County line. Top winds were estimated around 70 mph.

Storm Data and Unusual Weather Phenomena

March 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

ADDITIONS/CORRECTIONS

MISSISSIPPI, South

Walthall County

9 NE Tylertown

12	0916CST	0.5	25	0	0	1.5K	Tornado (F1)
	0919CST						

A tornado knocked down several trees in extreme eastern Walthall County north of U.S. Highway 98 and east of Mississippi Highway 585. Tornado then moved into Marion County.

Storm Data and Unusual Weather Phenomena

April 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

ADDITIONS/CORRECTIONS

ARIZONA, Northwest

Mohave County

5 SW Bullhead City to 4 SW Bullhead City 21 1139PST 1 50 0 0 **Tornado (F1)**

A small tornado was spotted over open terrain near the three state junction over the Colorado River. This tornado began in San Bernardino County, CA at 11:35 am and moved across a small part of Clark County, NV before moving into Mohave County, AZ at 11:39 am. The tornado then dissipated at 11:50 am.

CALIFORNIA, Southeast

San Bernardino County

9 N (Eed)Needles Arpt to 10 N (Eed)Needles Arpt 21 1135PST 1 50 0 0 **Tornado (F1)**

A small tornado was spotted over open terrain near the three state junction over the Colorado River. This tornado then moved into Clark County, Nevada

KANSAS, Northeast

Johnson County

De Soto 10 1215CST 0 0 **Hail (0.75)**

Leavenworth County

1 NE Linwood 10 1226CST 0 0 **Hail (1.25)**

Wyandotte County

Bonner Spgs 10 1245CST 0 0 **Hail (0.75)**

Johnson County

Gardner 10 1512CST 0 0 **Hail (1.00)**

Miami County

Antioch 10 1515CST 0 0 **Hail (1.00)**

Law enforcement reported wind gusts to 70 mph with one inch hail.

Johnson County

Spring Hill 10 1521CST 0 0 **Hail (1.75)**

Johnson County

Overland Park 10 1525CST 0 0 **Hail (1.00)**

Johnson County

Spring Hill 10 1525CST 0 0 **Hail (1.75)**

Johnson County

Stanley 10 1525CST 0 0 **Hail (0.75)**

Johnson County

Stilwell 10 1535CST 0 0 **Hail (2.50)**

MISSOURI, Northwest

Atchison County

Rockport 05 1220CST 0 0 **Hail (0.75)**

Atchison County

Westboro 05 1245CST 0 0 **Hail (0.88)**

Worth County

Sheridan 05 1415CST 0 0 **Hail (0.75)**

Worth County

Grant City 05 1434CST 0 0 **Hail (0.75)**

Harrison County

Eagleville 05 1500CST 0 0 **Thunderstorm Wind (G75)**

Public reported 3/4 inch hail and a tractor trailer turned over 7 miles south of the Iowa border.

Mercer County

10 N Princeton 05 1530CST 0 0 **Tstm Wind/Hail**

Law enforcement reported roof blown off a shed and 1.5 inch diameter hail.

Mercer County

Mercer 05 1544CST 0 0 **Hail (0.88)**

Putnam County

8 E Lucerne 05 1625CST 0 0 **Hail (0.75)**

Sullivan County

Newtown 05 1625CST 0 0 **Hail (0.75)**

Storm Data and Unusual Weather Phenomena

April 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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ADDITIONS/CORRECTIONS

MISSOURI, Northwest

Sullivan County Green City to Green Castle	05	1645CST			0	0			Tstm Wind/Hail
Law enforcement reported nickel sized hail and tree limbs greater than 6 inches in diameter broken.									
Putnam County 4 SE Lucerne	05	1659CST			0	0	5K		Thunderstorm Wind
Law enforcement reported power poles snapped off on highway K.									
Adair County 5 NW Connelville	05	1700CST			0	0			Hail (1.00)
Law enforcement reported one inch hail and tree limbs larger than 6 inches in diameter down.									
Sullivan County Pollock	05	1700CST			0	0			Hail (0.75)
Putnam County 12 W Unionville	05	1705CST			0	0	1K		Thunderstorm Wind (G52)
Law enforcement reported windows blown out of a residence.									
Sullivan County Green Castle	05	1710CST			0	0			Hail (0.88)
Adair County Kirkville	05	1718CST			0	0			Hail (0.88)
Adair County Kirkville	05	1723CST			0	0			Tstm Wind/Hail
Law enforcement reported one inch hail and wind gusts to 65 mph.									
Adair County Sublette	05	1735CST			0	0			Hail (0.75)
Adair County 3 N Kirkville	05	1757CST 2057CST			0	0			Flash Flood
Several county roads impassable due to high water.									
Sullivan County Green City	05	1800CST 2100CST			0	0			Flash Flood
Law enforcement reported many roads in the county under water.									
Adair County Kirkville	05	2100CST 2359CST			0	0			Flash Flood
Over 3 inches of rain resulted in several roads becoming impassable in Kirkville.									
Saline County Marshall	09	1742CST			0	0			Hail (0.75)
Saline County Marshall	09	1750CST			0	0			Hail (1.00)
Johnson County Kingsville	09	1812CST			0	0			Hail (1.00)
Johnson County 1 N Holden	09	1819CST			0	0			Hail (1.25)
Johnson County Fayetteville	09	1835CST			0	0			Hail (0.88)
Lafayette County Concordia	09	1837CST			0	0			Hail (1.75)
Johnson County 13 N Warrensburg	09	1840CST			0	0			Hail (0.75)
Johnson County 6 N Warrensburg	09	1840CST			0	0	10K		Tstm Wind/Hail
Law enforcement reported 3/4 inch hail and power lines down.									
Lafayette County 10 S Higginsville	09	1840CST			0	0			Hail (0.75)
Randolph County 5 E Higbee	09	1935CST			0	0			Hail (0.75)

Storm Data and Unusual Weather Phenomena

April 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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ADDITIONS/CORRECTIONS

MISSOURI, Northwest

Bates County									
Foster	09	2007CST			0	0			Hail (0.75)
Bates County									
Butler	09	2027CST			0	0			Hail (0.75)
Henry County									
Clinton	09	2050CST			0	0	1K		Hail (1.00)
Law enforcement reported one inch hail and wind damage to several large trees toppled.									
Bates County									
Merwin	09	2107CST			0	0			Hail (0.88)
Pettis County									
8 S Sedalia	09	2124CST			0	0			Hail (1.00)
Cass County									
Archie	09	2128CST			0	0			Hail (0.88)
Johnson County									
Chilhowee	09	2217CST			0	0			Hail (1.75)
Cass County									
Peculiar	09	2225CST			0	0			Hail (0.75)
Cass County									
Pleasant Hill	09	2236CST			0	0			Hail (0.88)
Lafayette County									
7 S Higginsville	09	2315CST			0	0			Thunderstorm Wind (G55)
Lafayette County									
Mayview	09	2316CST			0	0			Hail (0.88)
Cooper County									
Pilot Grove	10	0000CST			0	0			Hail (0.88)
Howard County									
Glasgow	10	0008CST			0	0			Hail (0.75)
Saline County									
Marshall	09	2341CST			0	0			Hail (0.75)
Saline County									
Marshall	10	0037CST			0	0			Hail (0.75)
Cass County									
Belton	10	1542CST			0	0			Hail (0.75)
Cass County									
Raymore	10	1542CST			0	0			Tstm Wind/Hail
Ham radio observer reported one inch hail and wind gusts to 60 mph.									
Cass County									
Belton	10	1546CST			0	0			Hail (1.75)
Cass County									
Belton	10	1550CST			0	0			Hail (1.00)
Jackson County									
Lees Summit	10	1550CST			0	0			Hail (0.75)
Jackson County									
Lees Summit	10	1552CST			0	0			Hail (1.75)
Jackson County									
Lees Summit	10	1553CST			0	0			Hail (1.00)
Cass County									
Pleasant Hill	10	1558CST			0	0			Hail (1.25)
Cass County									
Pleasant Hill	10	1600CST 1800CST			0	0			Flash Flood
Flooding from one to two inches of rain was reported in Pleasant Hill. Several roads were closed due to high water.									
Jackson County									
Blue Spgs	10	1604CST			0	0			Hail (0.75)
Johnson County									
Kingsville	10	1604CST			0	0			Hail (1.00)

Storm Data and Unusual Weather Phenomena

April 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

ADDITIONS/CORRECTIONS

MISSOURI, Northwest

Johnson County 5 N Kingsville	10	1607CST			0	0			Hail (1.50)
Cass County 4 NE Strasburg	10	1610CST			0	0			Hail (1.75)
Johnson County Holden	10	1616CST			0	0			Tstm Wind/Hail

Law enforcement reported one inch hail and wind gusts estimated to 60 mph.

Johnson County Pittsville	10	1619CST			0	0			Hail (1.75)
Johnson County 4 W Warrensburg to 4 ENE Warrensburg	10	1620CST 1630CST	8	75	0	0	2M		Tornado (F1)

A tornado moved across the north side of Warrensburg, damaging approximately 100 homes and businesses. No injuries or deaths were reported. The tornado was on the ground for 10 minutes, moving to the east. The path width ranged between 50 and 75 yards, and rear flank downdraft winds to the south of the tornado, caused minor damage to structures in downtown Warrensburg.

Johnson County Warrensburg	10	1627CST			0	0			Hail (1.75)
Jackson County Kansas City	10	1645CST			0	0	10K		Flash Flood

Law enforcement reported flooding around downtown Kansas City. Up to 2 inches of rain fell in a 30 minute period. Several roads had to be closed due to high water.

Pettis County 1 WNW La Monte to 2 S Hughesville	10	1645CST 1656CST	10	75	0	0	50K		Tornado (F1)
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Tornado on the ground for 11 minutes, moving east. Two barns were destroyed, along with a chicken coop and vacant house. There were also several power poles downed.

Johnson County Pittsville	10	1700CST 2000CST			0	0			Flash Flood
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Law enforcement reported many roads flooded. Up to 2 inches of rain fell in 30 minutes.

Pettis County Hughesville	10	1705CST			0	0			Hail (0.88)
Cooper County Pilot Grove to 5 E Pilot Grove	10	1711CST 1716CST	5	50	0	0	25K		Tornado (F1)

Tornado on the ground around Pilot Grove for 5 minutes, moving east. It produced minor roof damage to two homes. There were also downed trees and power lines. It was accompanied by baseball sized hail.

Lafayette County Concordia	10	1715CST 2015CST			0	0			Flash Flood
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Law enforcement reported flash flooding with many city roads under water.

Pettis County 10 N Sedalia	10	1715CST			0	0			Thunderstorm Wind (G52)
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Law enforcement reported wind damage along Boonville road.

Saline County Nelson	10	1715CST			0	0			Hail (0.88)
Cooper County Blackwater	10	1716CST			0	0			Hail (0.88)
Pettis County Longwood	10	1725CST			0	0			Hail (1.75)
Cooper County Bunceton	10	1730CST			0	0	1K		Thunderstorm Wind (G60)
Cooper County 1 SE Boonville	10	1736CST			0	0			Hail (1.00)

Storm Data and Unusual Weather Phenomena

April 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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ADDITIONS/CORRECTIONS

MISSOURI, Northwest

Cooper County Bunceton	10	1752CST			0	0			Flash Flood
			Main street reported under water due to heavy rains. Reported by emergency management.						
Pettis County Houstonia	10	1800CST 2100CST			0	0			Flash Flood
			Law enforcement reported flooded roads in Houstonia.						
Saline County Sweet Spgs	10	1800CST 2100CST			0	0			Flash Flood
			Broadcast media reported flooded roads in Sweet Springs.						
Grundy County 3 S Trenton	10	1923CST			0	0	1K		Thunderstorm Wind
			Broadcast media reported windows blown out of a garage.						
Grundy County 3 N Trenton	10	1930CST			0	0			Thunderstorm Wind (G52)
			Broadcast media reported large trees down.						
Grundy County 5 E Trenton	10	1941CST			0	0			Thunderstorm Wind (G52)
			Public reported large trees down on highway 6.						
Adair County Novinger	10	2035CST			0	0			Thunderstorm Wind (G52)
Adair County Kirksville	10	2050CST			0	0	10K		Thunderstorm Wind
			Law enforcement reported power line down near Kirksville on route P and a door torn off shed.						
Jackson County Kansas City	14	1845CST			0	0			Thunderstorm Wind (G52) ^M
Jackson County Raytown	14	1845CST			0	0			Hail (0.75)
Jackson County Unity Vlg	14	1845CST			0	0	5K		Thunderstorm Wind (G75) ^M
			Wind gusts to 86 mph were recorded at Unity Village. A large plate glass window was destroyed, on the 4th floor of the main building. A 11/2 foot diameter tree was blown over as well as numerous smaller trees.						
Jackson County Lees Summit	14	1850CST			0	0	5K		Thunderstorm Wind (G61) ^M
			Wind gusts to 70 mph were observed at the Lee's Summit airport. A large wall was blown off a new building at the airport.						
Lafayette County 7 SE Odessa	14	1931CST			0	0			Hail (0.88)
Johnson County 1 NW Warrensburg	14	1942CST			0	0			Thunderstorm Wind (G60)
Johnson County 5 N Warrensburg to 5 NW Warrensburg	14	1943CST			0	0			Hail (0.88)
Johnson County Knob Noster	14	1955CST			0	0	2K		Thunderstorm Wind (G70)
			Trained spotter estimated wind gusts to 80 mph with cars blown off road.						
Jackson County Kansas City	14	2025CST			0	0			Hail (1.00)
Johnson County 3 S Kingsville	14	2045CST			0	0			Hail (1.75)
Cass County Drexel	14	2049CST			0	0			Hail (1.75)
			Law enforcement reported 70 mph wind gusts and 1 3/4 inch hail.						
Jackson County Lone Jack	14	2109CST 2359CST			0	0			Flash Flood
			Flash flooding of creek in Blue-Gray park reported. Several roads in park became impassable due to high water.						

Storm Data and Unusual Weather Phenomena

April 2001

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ADDITIONS/CORRECTIONS

MISSOURI, Northwest

Johnson County Holden	14	2113CST			0	0			Hail (0.75)
Bates County Adrian	14	2121CST			0	0			Hail (0.75)
		Trained spotter reported 3/4 inch hail and wind gusts to 60 mph.							
Johnson County Centerview	14	2122CST			0	0			Thunderstorm Wind (G70)
		Emergency manager estimated wind gusts to 80 mph and one inch hail.							
Johnson County Warrensburg	14	2149CST			0	0			Flash Flood
		Route DD flooded just north of Warrensburg.							
Pettis County La Monte	14	2152CST			0	0			Hail (0.75)
		Emergency manager reported 3/4 inch hail and wind gusts to 60 mph.							
Henry County Tightwad	14	2155CST			0	0			Thunderstorm Wind (G60)

MONTANA, South

Yellowstone County Billings	30	2300MST			0	0			Thunderstorm Wind (G69) ^M
		69 mph thunderstorm wind gust at the Billings Airport							
Yellowstone County Billings	30	2300MST			0	0			Thunderstorm Wind (G85) ^M
		85 mph thunderstorm wind gust at KTVQ TV weather station							
Big Horn County Crow Agency	30	2305MST			0	0			Thunderstorm Wind (G65)
		65 mph thunderstorm wind gust							
Rosebud County Colstrip	30	2335MST			0	0			Thunderstorm Wind (G70)
		70 mph thunderstorm wind gust							
Big Horn County 20 W Hardin	30	2336MST			0	0			Thunderstorm Wind (G61) ^M
		61 mph thunderstorm wind gust at the Pryor Mountain RAWS site.							
Powder River County Broadus	30	2350MST			0	0			Thunderstorm Wind (G60)
		60 mph thunderstorm wind gust							

NEVADA, South

Clark County 98 SSW Cal-Nev-Ari to 99 SSW Cal-Nev-Ari	21	1137PST 1139PST	1	50	0	0			Tornado (F1)
		A small tornado was spotted over open terrain near the three state junction over the Colorado River. This tornado then moved into Mohave County, Arizona.							

TEXAS, North Panhandle

Oldham County Boys Ranch	10	2025CST			0	0			Hail (0.75)
Oldham County Boys Ranch	10	2027CST			0	0			Hail (1.00)
Moore County Masterson	10	2051CST			0	0			Hail (1.00)
Hutchinson County 5 W Stinnett	10	2113CST			0	0	70K		Thunderstorm Wind (G61)
		An eighteen wheeler was blown over on State Highway 152.							
Moore County 15 E Dumas	10	2115CST			0	0			Hail (0.75)
Carson County 8 NW Mc Bride to 8 NNW Mc Bride	1 0	2122CST 2125CST	1	1 0 0	0	0	3 0 K		Tornado (F1)

An official storm damage survey was made on the estimated path length and width. Extensive damage occurred to homes...mobile

Storm Data and Unusual Weather Phenomena

April 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
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ADDITIONS/CORRECTIONS

TEXAS, North Panhandle

homes...farm equipment and storage buildings in the Carson and Hutchinson county tornado. This tornado touched down in the Antelope Creek area one mile south of State Highway 136...moved north-northeast for about one and a half miles and lifted north of State Highway 136 in Hutchinson county.

Hutchinson County

1 SE Fritch to
1 ESE Fritch

10 2125CST 0.5 100 0 0 40K Tornado (F1)
2127CST

An official storm damage survey was made on the estimated tornado path length and width. The tornado touched down in the Antelope Creek area approximately one mile south of State Highway 136. This tornado originally touched down in Carson county and then moved into Hutchinson county.

Hutchinson County

3 E Fritch

10 2130CST 0 0 140K Thunderstorm Wind (G65)

One trailer home was reported destroyed...one trailer home was missing its roof...another trailer home was damaged...and two wood frame houses had severe damage.

Hutchinson County

3 W Stinnett

10 2130CST 0 0 Hail (0.75)

Hutchinson County

Stinnett

10 2134CST 0 0 Hail (0.75)

Hansford County

Gruver

10 2141CST 0 0 Thunderstorm Wind (G52)

Hansford County

5 S Spearman to
1.5 SE Spearman

10 2206CST 4 200 0 2 750K Tornado (F2)
2211CST

An official storm damage survey was made on the tornado path length and width. The tornado destroyed several grain bins and a grain elevator to Agco facility. Extensive damage also occurred at a local farm...including the home...barns and equipment. Several power poles also were blown down.

Hansford County

3 S Spearman

10 2215CST 0 0 90K Thunderstorm Wind (G69)

High winds did considerable damage to a home...barn...and sheds on a local farm.

Ochiltree County

Huntoon to

4 NE Huntoon

10 2220CST 0 0 100K Thunderstorm Wind (G90)
2239CST

Visible damage was reported across northeastern Ochiltree county with one home and a barn sustaining severe damage. The Highway 15 storage units were totaled by the extremely high winds and a roundtop at the Roy Hughe place was lifted by the damaging winds and moved about twenty feet. Two large overhead doors were blown down at Tom McGee's building on the west end of Highway 15.

Ochiltree County

Perryton

10 2233CST 0 0 Hail (0.75)

Hemphill County

Canadian

10 2253CST 0 0 Hail (1.00)

Lipscomb County

Booker

10 2256CST 0 0 Hail (0.75)

Wheeler County

9 W Shamrock

10 2300CST 0 0 70K Thunderstorm Wind (G56)

An eighteen wheeler was reported blown over and a house lost its roof.

Wheeler County

Shamrock

10 2301CST 0 0 Thunderstorm Wind (G52)

Wheeler County

5 S Wheeler to
2 SE Wheeler

10 2317CST 6 200 0 0 150K Tornado (F2)
2332CST

An official storm damage survey was made of the estimated tornado path length and width. A home and farm equipment were severely damaged. Several large trees and power poles were also knocked down. Several areas of non-tornadic downburst winds were also assessed...primarily in the west and southwest areas of Wheeler county.

Severe thunderstorms producing large hail...damaging winds...and tornadoes occurred across the western Texas panhandle during the early evening hours and then moved east and northeast across the central and eastern Texas panhandle during the late evening hours.

Storm Data and Unusual Weather Phenomena

May 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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ADDITIONS/CORRECTIONS

MINNESOTA, Central and South Central

Mcleod County									
2 S Plato	01	1530CST			0	0			Hail (1.25)
Sibley County									
3 N Green Isle	01	1535CST			0	0			Hail (0.75)
Carver County									
2 W Hamburg	01	1540CST			0	0			Hail (1.75)
Carver County									
Hamburg	01	1543CST			0	0			Hail (1.75)
Blue Earth County									
Mapleton	01	1550CST			0	0			Hail (0.88)
Faribault County									
Blue Earth	01	1550CST			0	0			Hail (0.88)
Blue Earth County									
Garden City	01	1555CST			0	0			Hail (1.50)
Blue Earth County									
3 NW Mapleton	01	1555CST	0.1	25	0	0			Tornado (F0)
		1558CST							
Touched down in open field. No damage reported.									
Blue Earth County									
5 NE Mapleton	01	1605CST			0	0			Thunderstorm Wind (G55)
Damage induced by rear flank downdraft per NWS damage survey. A few dozen trees down.									
Carver County									
Chaska	01	1605CST			0	0			Hail (0.75)
Scott County									
Jordan	01	1608CST			0	0			Hail (0.75)
Anoka County									
Ramsey	01	1610CST			0	0			Hail (0.75)
Carver County									
Chanhassen	01	1610CST			0	0			Hail (0.88)
Faribault County									
Bricelyn	01	1612CST			0	0			Hail (1.25)
Anoka County									
Anoka	01	1615CST			0	0			Hail (0.75)
Blue Earth County									
St Clair	01	1615CST			0	0			Hail (1.75)
Carver County									
Chanhassen	01	1615CST			0	0	500K		Hail (1.75)
Dozens of homes and vehicles damaged.									
Hennepin County									
Eden Prairie	01	1615CST			0	0			Hail (0.75)
Faribault County									
3 NW Kiester	01	1620CST			0	0			Hail (0.75)
Hennepin County									
Eden Prairie	01	1622CST			0	0			Hail (1.75)
Hennepin County									
Edina	01	1624CST			0	0			Hail (1.75)
Anoka County									
Anoka	01	1625CST			0	0			Hail (1.75)
Hennepin County									
Minneapolis	01	1625CST			0	0			Hail (0.75)
Reported at 54th and Lyndale Ave. South.									
Waseca County									
Waseca	01	1628CST			0	0			Hail (1.00)
Anoka County									
Andover	01	1630CST			0	0			Hail (1.50)
Hennepin County									
Hopkins	01	1630CST			0	0			Hail (1.75)

Storm Data and Unusual Weather Phenomena

May 2001

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ADDITIONS/CORRECTIONS

MINNESOTA, Central and South Central

Waseca County 5 NE Waldorf	01	1630CST			0	0			Funnel Cloud
Freeborn County Freeborn	01	1632CST			0	0			Hail (1.00)
Hennepin County Minneapolis	01	1632CST			0	0			Hail (1.25)
Reported at 56th and Penn Ave.									
Hennepin County Minneapolis	01	1635CST			0	0			Hail (1.50)
Reported at 50th and France Ave South.									
Hennepin County Minneapolis	01	1640CST			0	0			Hail (1.00)
Observed at 45th and Hiawatha Ave. South.									
Hennepin County Minneapolis	01	1640CST			0	0	10M		Hail (2.00)
Reported at 60th and Penn. Ave. Damage estimate pertains to all of the hail reports across Hennepin County. Numerous buildings and vehicles damaged.									
Waseca County 5 W Otisco	01	1641CST			0	0			Funnel Cloud
Ramsey County St Paul	01	1642CST			0	0			Hail (1.00)
Observed at the University of St. Thomas.									
Hennepin County Minneapolis	01	1644CST			0	0			Hail (1.00)
Occured at the Metrodome in downtown Minneapolis.									
Waseca County Waseca	01	1646CST			0	0			Hail (1.00)
Hennepin County Minneapolis	01	1647CST			0	0			Hail (1.00)
Spotted at 19th and Broadway.									
Anoka County Ham Lake	01	1650CST			0	0			Hail (1.50)
Ramsey County St Paul	01	1650CST			0	0			Hail (1.00)
Reported at Snelling and Randolph in Highland Park.									
Waseca County 3 S Waseca	01	1650CST			0	0			Hail (1.25)
Ramsey County Vadnais Hgts	01	1653CST			0	0			Hail (0.88)
Chisago County Wyoming	01	1655CST			0	0	2M		Hail (4.00)
Numerous cars and structures damaged.									
Chisago County Taylors Falls	01	1700CST			0	0			Hail (1.75)
Dakota County Apple Vly	01	1700CST			0	0			Hail (0.75)
Dakota County Farmington	01	1700CST			0	0			Hail (1.50)
Ramsey County St Paul	01	1700CST			0	0	2M		Hail (1.25)
Observed at the Univeristy of Minnesota St. Paul campus. Damage estimate pertains to all the hail reports from Ramsey County. Numerous vehicles and buildings damaged.									
Steele County Meriden	01	1700CST 1705CST			0	0			Hail (0.88)
Waseca County 2 S Waseca	01	1705CST			0	0			Hail (1.50)

Storm Data and Unusual Weather Phenomena

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ADDITIONS/CORRECTIONS

MINNESOTA, Central and South Central

Washington County

Woodbury 01 1705CST 0 0 Hail (0.75)

Anoka County

Ramsey 01 1730CST 0 0 Hail (0.75)

Steele County

1 N Hope 01 1732CST 0.1 25 0 0 Tornado (F0)

Brief touchdown in field. No damage reported.

Washington County

7 S Afton 01 1745CST 0 0 1M Hail (2.00)

Damage incurred to vehicles, buildings and trailers at a Washington County park.

Freeborn County

Glenville to 01 1802CST 7 440 0 0 20M Tornado (F2)
3 N Myrtle 1810CST

Tornado first touched down on the western fringe of Glenville, and produced major damage, especially on the northwest side of Glenville. There were 25 homes that sustained major damage, and 70 with minor damage. Damage survey indicated F2 damage on northwest side of Glenville, with F1 damage along rest of path.

Freeborn County

1 E Petran 01 1808CST 0 0 Hail (1.75)

Freeborn County

Oakland 01 1813CST 0 0 Hail (1.75)

Freeborn County

Oakland 01 1813CST 0 0 Thunderstorm Wind (G52)

Freeborn County

4 SW Oakland to 01 1815CST 5 250 0 0 2M Tornado (F2)
2 SE Oakland 1824CST

Shortly after the Glenville tornado dissipated, another tornado formed 4 miles southwest of Oakland and dissipated about 1/2 mile before it would have crossed Interstate 90, which law enforcement had barricaded. Major damage to 3 farmsteads, minor damage to 8 others per damage survey.

Freeborn County

1 E Oakland to 01 1829CST 1 250 0 0 50K Tornado (F1)
2 ENE Oakland 1832CST

The third tornado in a series (the first one started at Glenville) formed just north of Interstate 90 and east of Oakland. It was on the ground for one mile in Freeborn County before crossing into Mower County, where it dissipated 4 N Austin (see Storm Data for southeast Minnesota). A few grain bins were blown down.

MINNESOTA, Southeast

Dodge County

Mantorville 01 1730CST 0 0 0.50K Thunderstorm Wind (G52)

Dodge County

West Concord 01 1750CST 0 0 Hail (0.75)

Mower County

Austin 01 1825CST 0 0 2.5K Hail (0.88)

Mower County

3 W Austin to 01 1832CST 5 250 0 0 150K Tornado (F1)
4 N Austin 1840CST

Mower County

Austin 01 1840CST 0 0 Hail (0.75)

Olmsted County

Rochester 01 1848CST 0 0 7.5K Hail (1.75)

Olmsted County

Rochester 01 1848CST 0 0 Thunderstorm Wind (G52) ^M

Mower County

3 SW Elkton to 01 1852CST 0.3 50 0 0 Tornado (F0)
2 SW Elkton 1854CST

Olmsted County

2 W Rochester 01 1852CST 0 0 5K Hail (1.00)

Dodge County

Mantorville 01 1900CST 0 0 Hail (0.75)

Storm Data and Unusual Weather Phenomena

May 2001

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ADDITIONS/CORRECTIONS

MINNESOTA, Southeast

Olmsted County									
Eyota	01	1906CST			0	0			Thunderstorm Wind (G52) ^M
Olmsted County									
5 E Stewartville to	01	1906CST	0.2	50	0	0			Tornado (F0)
5.5 E Stewartville		1908CST							
Fillmore County									
2 N Hamilton	01	1910CST			0	0			Hail (0.88)
Olmsted County									
Stewartville	01	1930CST			0	0			Hail (0.75)
Winona County									
2 W Lewiston	01	1931CST			0	0			Hail (0.75)
Fillmore County									
3 N Fountain	01	2010CST			0	0	4.5K		Hail (1.00)
Winona County									
5 S St Charles	01	2015CST			0	0	2K		Hail (1.00)

Storm spotters and law enforcement officials reported a tornado entered Mower County about 3 miles west of Austin. The storm proceeded northeast, before lifting about 4 miles north of Austin. The tornado hit numerous farms, outbuildings, power poles and crossed fields that were still bare of crops. Several hog farms were destroyed. Hardest hit were several homes in the small community of Andyville, just north of Austin, along Highway 218. Roofs were torn off and trees sheared off. Two smaller tornadoes also touched down briefly between Rose Creek and Elkton (Mower County) and near Stewartville (Olmsted County), but no damage was reported. Spotters across southeast Minnesota also reported hail ranging in size from dimes to golf balls and thunderstorm wind gusts of 60 mph.

MISSOURI, Northwest

Platte County									
3 W Parkville	10	0731CST			0	0			Hail (0.88)
Platte County									
Parkville	10	0734CST			0	0			Hail (1.00)
Platte County									
Parkville	10	0740CST			0	0			Tstm Wind/Hail
Law enforcement reported wind gusts to 70 mph and hail 3/4 inch hail.									
Platte County									
2 NE Parkville	10	0746CST			0	0			Hail (0.75)
Platte County									
4 SE Kansas City Intl	10	0747CST			0	0			Hail (1.50)
Arp									
Platte County									
2 SE Kansas City Intl	10	0752CST			0	0			Hail (0.88)
Arp									
Jackson County									
Lees Summit	10	0806CST			0	0			Hail (0.75)
Clay County									
6 S Smithville	10	0810CST			0	0			Hail (0.75)
Nodaway County									
2 W Elmo	10	1910CST			0	0			Hail (0.75)
The public reported 3/4 inch hail and wind gusts to 60 mph.									
Atchison County									
1 S Nishnabotna	10	1932CST			0	0			Thunderstorm Wind (G52)
Holt County									
1 N Corning	10	1940CST			0	0			Thunderstorm Wind (G52)
Public reported large trees down.									
Nodaway County									
3 S Graham	10	2025CST			0	0			Hail (0.75)
Holt County									
Mound City	10	2047CST			0	0			Hail (1.75)
Andrew County									
Empire Prairie	10	2125CST			0	0			Hail (0.75)
Andrew County									
3 W Bolckow	10	2130CST			0	0			Hail (0.75)

Storm Data and Unusual Weather Phenomena

May 2001

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ADDITIONS/CORRECTIONS

MISSOURI, Northwest

Holt County									
Oregon	10	2150CST			0	0			Hail (0.75)
Daviess County									
Lock Spgs	10	2230CST			0	0			Hail (1.75)
Atchison County									
2 NE Westboro	17	0030CST			0	0			Hail (1.00)
Nodaway County									
3 NW Elmo	17	0040CST			0	0			Hail (1.00)
Nodaway County									
Burlington Jct	17	0220CST			0	0			Hail (1.75)
Nodaway County									
2 E Burlington Jct	17	0240CST			0	0			Hail (1.00)
Harrison County									
1 W Mt Moriah	17	0755CST			0	0			Hail (0.88)
Grundy County									
4 N Laredo	17	1022CST			0	0			Hail (1.25)
Grundy County									
3 NW Trenton	17	1110CST			0	0			Hail (1.00)
De Kalb County									
Weatherby	17	1125CST			0	0			Tstm Wind/Hail
Public reported wind gusts to 60 mph and penny sized hail.									
De Kalb County									
2 E Weatherby	17	1140CST			0	0			Thunderstorm Wind (G52)
Daviess County									
Alta Vista	17	1150CST			0	0			Thunderstorm Wind (G61) ^M
Buchanan County									
Easton	17	1215CST			0	0			Hail (1.00)
Grundy County									
5 S Trenton	17	1217CST			0	0			Hail (1.00)
Grundy County									
6 W Trenton	17	1220CST			0	0			Hail (1.75)
Grundy County									
4 SE Trenton	17	1222CST			0	0			Hail (1.00)
Grundy County									
7 S Trenton	17	1233CST			0	0			Thunderstorm Wind (G57)
Daviess County									
1 E Coffey	17	1238CST 1538CST			0	0			Flash Flood
Law enforcement reported 3 to 4 feet of water over route B.									
Grundy County									
2 S Trenton	17	1238CST 1538CST			0	0			Flash Flood
Law enforcement reported 1.5 feet of water over highway 65.									
Caldwell County									
Braymer	17	1240CST			0	0			Thunderstorm Wind (G52)
Large trees were reported down.									
Platte County									
Weston	17	1312CST			0	0			Tstm Wind/Hail
Emergency manager reported 70 mph thunderstorm wind gusts with 3/4 inch hail.									
Clay County									
Mosby	17	1320CST			0	0			Hail (0.75)
Platte County									
Riverside	17	1320CST			0	0			Thunderstorm Wind (G52)
Thunderstorm winds broke tree limbs up to 8 inches in diameter.									
Platte County									
Riverside	17	1340CST			0	0			Hail (0.88)
Carroll County									
3 NW De Witt	17	1345CST			0	0			Hail (0.75)
Public reported 12 inch diameter tree blown down and 3/4 inch hail.									

Storm Data and Unusual Weather Phenomena

May 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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ADDITIONS/CORRECTIONS

MISSOURI, Northwest

Ray County									
Orrick	17	1356CST			0	0			Hail (1.00)
Clay County									
North Kansas City	17	1410CST			0	0			Hail (0.88)
Jackson County									
Kansas City	17	1413CST			0	0			Hail (0.75)
Jackson County									
Kansas City	17	1415CST			0	0			Hail (0.88)
Lafayette County									
Concordia	17	1415CST			0	0			Hail (0.75)
Howard County									
Fayette	17	1435CST			0	0			Hail (1.75)
Public reported 13/4 inch hail and wind gusts to 60 mph.									
Howard County									
Fayette	17	1506CST			0	0			Hail (0.75)
Johnson County									
Warrensburg	17	1510CST			0	0			Thunderstorm Wind (G52)
Public reported large tree limbs down.									

MONTANA, South

Powder River County									
Broadus	01	0000MST			0	0			Thunderstorm Wind (G60)
60 mph thunderstorm wind gust									
Stillwater County									
10 N Reed Pt to Reed Pt	05	1000MST			0	0	55K		Wild/Forest Fire
	09	1000MST							
Svenson wildfire burned 1500 acres of land after a prescribed burn ignited by a private land owner got out of control.									
Big Horn County									
4 E Lodge Grass to Lodge Grass	08	1200MST			0	0			Wild/Forest Fire
	09	1200MST							
Corral Creek 2 wildfire burned approximately 400 acres east of Lodge Grass Montana.									
Powder River County									
Broadus	10	1505MST			0	0			Hail (0.75)
0.75 hail reported by spotter									
Rosebud County									
Forsyth	16	1200MST			0	3			Lightning
Three men suffered minor injuries when lightning struck their truck as they were crack sealing on Interstate 94.									
Wheatland County									
20 NW Harlowton	26	1500MST			0	0			Hail (1.00)
1.00 inch diameter hail covered the ground 2 to 3 inches deep. Reported by County Emergency Management.									
Wheatland County									
Harlowton	26	1700MST			0	0			Hail (1.00)
1.00 inch diameter hail reported near Harlowton. Some areas the hail was 2-3 inches deep. Small tree branches and leaves were stripped from the trees.									
Carbon County									
Fromberg	26	1740MST			0	0			Hail (0.88)
.88 inch hail reported by law enforcement.									
Big Horn County									
Pryor	26	1838MST			0	0			Hail (0.75)
.75 inch hail reported by law enforcement.									
Carbon County									
Joliet	28	1550MST			0	0			Flash Flood
Flooding of low lying roads and fields. Reported by spotters.									
Wheatland County									
Twodot	28	1825MST			0	0			Hail (0.75)
.75 inch hail reported by spotters									
Rosebud County									
5 SE Colstrip	29	1230MST			0	0			Hail (0.75)
.75 inch hail reported by spotters									

Storm Data and Unusual Weather Phenomena

May 2001

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ADDITIONS/CORRECTIONS

MONTANA, South

Carbon County
Bridger **29** **1250MST** **0** **0** **Hail (0.88)**
.88 inch hail reported by spotters

Carbon County
Bridger **29** **1255MST** **0** **0** **Hail (1.00)**
1.00 inch hail reported by spotters

Carbon County
Fromberg **29** **1300MST** **0** **0** **Hail (0.75)**
.75 inch hail...with hail 1 1/2 feet deep. Reported by spotters.

OHIO, North

Wood County
North Baltimore **29** **1415EST** **0** **0** **Hail (0.75)**
Dime size hail was reported.

Hancock County
Van Buren **29** **1425EST** **0** **0** **Hail (0.75)**
Dime size hail was reported.

Stark County
Massillon **29** **1530EST** **0** **1** **25K** **Lightning**
A 46 year old male was struck by lightning on the northeast side of Massillon. The man was standing just outside of his house and was taken to a hospital and treated for minor injuries. The house suffered extensive electrical damage from the strike.

VIRGINIA, North

Shenandoah County
Strasburg **27** **1205EST** **0** **0** **Lightning**
A home was struck by lightning.

Warren County
1 SW Ashby to **27** **1225EST** **4** **100** **0** **0** **65K** **Tornado (F1)**
1 N Milldale **1235EST**
A tornado damaged farms and trees before moving into Clarke County.

Clarke County
Double Tollgate to **27** **1230EST** **0** **0** **21K** **Hail (1.75)**
White Post **1235EST**
Golfball sized hail damaged roofs and siding, stripped paint, broke light fixtures, and shredded vegetation from Double Tollgate to White Post.

Clarke County
4 SW Millwood to **27** **1233EST** **1.5** **100** **0** **0** **5K** **Tornado (F1)**
4 S Millwood
A tornado that came from Warren County downed trees across Route 624 (Millville Rd).

Clarke County
White Post to **27** **1235EST** **0** **0** **Funnel Cloud**
Berryville **1250EST**
A police officer followed a storm that repeatedly produced a funnel cloud between White Post and Berryville.

Shenandoah County
Orkney Spgs **27** **1237EST** **0** **0** **2K** **Thunderstorm Wind**
Trees and power lines were downed.

Loudoun County
3 W Sterling **27** **1334EST** **0** **0** **20K** **Thunderstorm Wind**
Large trees were downed between Algonkian Parkway and Countryside Boulevard.

Fairfax County
Great Falls **27** **1400EST** **0** **0** **1K** **Thunderstorm Wind**
Trees were snapped.

Loudoun County
East Portion **27** **1730EST** **0** **0** **250K** **Hail (1.75)**
Marble to golfball sized hail was reported.

Loudoun County
3 W Sterling **27** **1734EST** **0** **0** **80K** **Thunderstorm Wind**
1744EST
Downburst winds estimated between 60 and 80 MPH downed trees and damaged homes in the Countryside development.

Storm Data and Unusual Weather Phenomena

May 2001

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ADDITIONS/CORRECTIONS

VIRGINIA, North

Loudoun County Ashburn

27	1740EST			0	0	4K	Thunderstorm Wind
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Four trees were downed, a window was blown in, and a tent was damaged.

Two rounds of thunderstorms moved across Northern Virginia on the 27th. The first round crossed the Northern Shenandoah Valley between 1 and 3 PM EDT and produced winds in excess of 55 MPH, dangerous lightning, hail, and a tornado. In Shenandoah County, a home in Strasburg was struck by lightning. Marble sized hail was reported in Tom's Brook. Trees and power lines were downed by high wind in Orkney Springs. In Warren County, an F1 tornado touched down around 1 mile southwest of Ashby, just south of Route 639. The tornado moved east-northeast and crossed Route 639 just east of Ashby. Shortly after, it crossed Route 658 just south of White Oak Level and moved into Clarke County at Milldale Road (Route 624). Before exiting the county, the tornado struck three farms just east of Ashby. It tore the tin roof off a barn and threw it 100 yards. A farmhouse suffered a projectile hole and minor damage to trim and a window. The tornado also damaged a silo, several sheds, and small outbuildings. In addition, numerous trees were uprooted and snapped along the tornado's 4 mile long and 100 yard wide path. The tornado remained on the ground for another mile after it crossed into Clarke County at Milldale Road (Route 624), about 3 miles southeast of Stone Bridge. Several trees were downed on the roadway at this location. The tornado traveled to the northeast through woodlands, then dissipated about 5 miles east of Stone Bridge. In addition, a funnel cloud was spotted by a police officer over White Post, north of the tornadic storm. The officer followed the storm that produced the funnel cloud from White Post to Berryville and saw the funnel drop down several times, but never touch the ground. The only damage reported from this storm was from large amounts of golfball sized hail that accumulated up to 6 inches in depth between Double Tollgate and White Post. The large hail damaged an asphalt roof, a flat membrane roof, and light fixtures. It was also responsible for chipping paint off a home and stripping leaves off vegetation. In Loudoun County, a storm downed several large trees near the intersection of Algonkian Parkway and Countryside Boulevard west of Sterling in the Cascades subdivision.

The second round of storms moved through the western suburbs of Washington D.C. between 6 and 7 PM EDT and produced winds as high as 80 MPH, large hail, and heavy downpours. In Loudoun County, a strong downburst of wind estimated between 60 and 80 MPH crashed down onto the Countryside subdivision west of Sterling. The strongest winds hit the Foxfield section near where it backs up to the Broad Run Farms subdivision. Several townhouses had shingles peeled off their roofs and roof vents were bent upward or torn off. About a dozen trees were uprooted and others were snapped. Just north of this area on McPherson Circle, several other homes had damage to siding and gutters. Another area of damage was near the intersection of Algonkian Parkway and Countryside Boulevard. This same area was hit by damaging wind during the first round of storms. Several more large trees were snapped and a significant carpet of leaf debris was left on the ground and blown into fencing and against housing. Another small area of wind damage was reported in Ashburn Farm where a tree was downed, a tent was damaged, and a window was blown in. In addition to high winds, the eastern portion of Loudoun County was pelted by large quantities of hail. In Countryside, hail as large as golfballs punctured the rear window of a soft topped vehicle and shredded leaves off vegetation. The hail covered the ground up to 1 inch deep and nickel sized hail could still be found on the ground a day and a half after the storm. Many homes in the Countryside, Cascades, and the Sugarland Run subdivisions experienced hail damage to roofs and siding. Damage to homes in the path of the largest hailstones was estimated at \$5000. Quarter sized hail was reported in Ashburn. Marble to quarter sized hail fell in Sterling. Pea sized hail was reported in Leesburg. In Fairfax County, trees were snapped by high winds in Great Falls.

WYOMING, North Central

Sheridan County Sheridan Arpt

01	0000MST			0	0	Thunderstorm Wind (G76) ^M
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76 mph thunderstorm wind gust

WYZ098

Northeast Bighorn Mountains

20	1330MST			0	0	High Wind (G63)
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Winds of 40-50 mph with gusts to 63 mph reported by spotter 7 miles west of Sheridan.

Reference Notes:

Fatality Location Abbreviations:

BF	Ball Field	MH	Mobile Home
BO	Boating	OT	Other
BU	Business	OU	Outside/Open Areas
CA	Camping	PH	Permanent Home
EQ	Heavy Equipment/Construction	SC	School
GF	Golfing	TE	Telephone
IW	In Water	UT	Under Tree
LS	Long Span Roof	VE	Vehicle

List of Acronyms:

WCM	- Warning Coordination Meteorologist
NWS	- National Weather Service
NOAA	- National Oceanic and Atmospheric Administration
DST	- Daylight Savings Time
LST	- Local Standard Time
LDT	- Local Daylight Time

Other Notes:

When listing wind speed values under “Character of Storm”, ex. High Wind (G81), the “G” indicates a “*Gust*” which is a peak 5-second averaged wind speed in Knots (kts). 1 kt. = 1.152 mph.

When listing hail size under “Character of Storm”, ex. Hail (2.25), the hail size is given in inches and hundredths of inches.

When listing property and crop damage, the figures indicated are the best guess made by the NWS from the available sources of information at the time of the printing.

The Saffir-Simpson Scale

Category One Hurricane:

Winds 74-95 mph (64-82 kt or 119-153 kph). Storm surge generally 4-5 ft above normal. No real damage to building structures. Damage primarily to unanchored mobile homes, shrubbery, and trees. Some damage to poorly constructed signs. Also, some coastal road flooding and minor pier damage.

Category Two Hurricane:

Winds 96-110 mph (83-95 kt or 154-177 kph). Storm surge generally 6-8 feet above normal. Some roofing material, door, and window damage of buildings. Considerable damage to shrubbery and trees with some trees blown down. Considerable damage to mobile homes, poorly constructed signs, and piers. Coastal and low-lying escape routes flood 2-4 hours before arrival of the hurricane center. Small craft in unprotected anchorages break moorings.

Category Three Hurricane:

Winds 111-130 mph (96-113 kt or 178-209 kph). Storm surge generally 9-12 ft above normal. Some structural damage to small residences and utility buildings with a minor amount of curtainwall failures. Damage to shrubbery and trees with foliage blown off trees and large trees blown down. Mobile homes and poorly constructed signs are destroyed. Low-lying escape routes are cut by rising water 3-5 hours before arrival of the hurricane center. Flooding near the coast destroys smaller structures with larger structures damaged by battering of floating debris. Terrain continuously lower than 5 ft above mean sea level may be flooded inland 8 miles (13 km) or more. Evacuation of low-lying residences with several blocks of the shoreline may be required.

Category Four Hurricane:

Winds 131-155 mph (114-135 kt or 210-249 kph). Storm surge generally 13-18 ft above normal. More extensive curtainwall failures with some complete roof structure failures on small residences. Shrubs, trees, and all signs are blown down. Complete destruction of mobile homes. Extensive damage to doors and windows. Low-lying escape routes may be cut by rising water 3-5 hours before arrival of the hurricane center. Major damage to lower floors of structures near the shore. Terrain lower than 10 ft above sea level may be flooded requiring massive evacuation of residential areas as far inland as 6 miles (10 km).

Category Five Hurricane:

Winds greater than 155 mph (135 kt or 249 kph). Storm surge generally greater than 18 ft above normal. Complete roof failure on many residences and industrial buildings. Some complete building failures with small utility buildings blown over or away. All shrubs, trees, and signs blown down. Complete destruction of mobile homes. Severe and extensive window and door damage. Low-lying escape routes are cut by rising water 3-5 hours before arrival of the hurricane center. Major damage to lower floors of all structures located less than 15 ft above sea level and within 500 yards of the shoreline. Massive evacuation of residential areas on low ground within 5-10 miles (8-16 km) of the shoreline may be required.

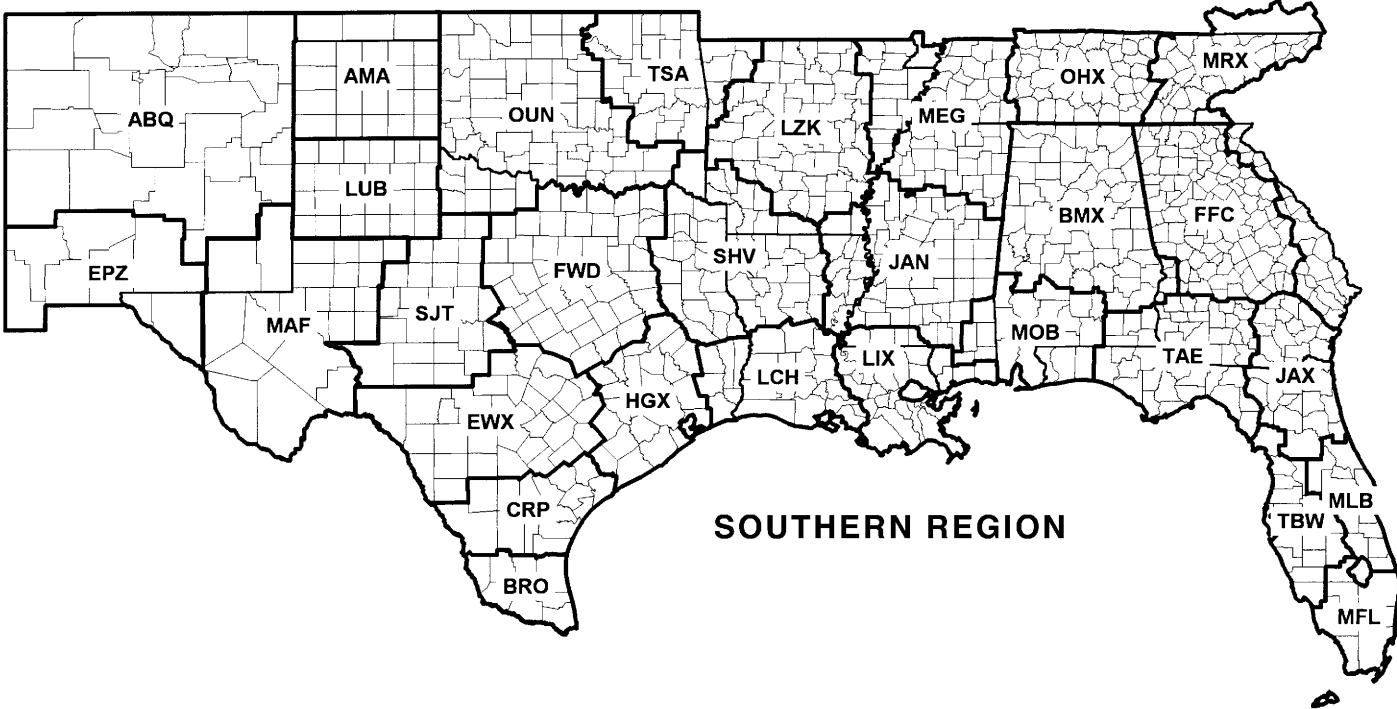
The Fujita Scale

F-Scale	Intensity	Wind Speed (mph)	Typical Damage
F0	Gale Tornado	40 - 72	Some damage to chimneys; breaks branches off trees; pushes over shallow-rooted trees; damages sign boards.
F1	Moderate	73 - 112	The lower limit is the beginning of hurricane wind speed; peels surface off roofs; mobile homes pushed off foundations or overturned; moving autos pushed off the roads; attached garages may be destroyed.
F2	Significant	113 - 157	Considerable damage. Roofs torn off frame houses; mobile homes demolished; boxcars pushed over; large trees snapped or uprooted; light object missiles generated.
F3	Severe	158 - 206	Roof and some walls torn off well constructed houses; trains overturned; most trees in fores uprooted
F4	Devastating	207 - 260	Well-constructed houses leveled; structures with weak foundations blown off some distance; cars thrown and large missiles generated.
F5	Incredible	261 - 318	Strong frame houses lifted off foundations and carried considerable distances to disintegrate; automobile sized missiles fly through the air in excess of 100 meters; trees debarked; steel re-inforced concrete structures badly damaged.
F6	Inconceivable	319 - 379	These winds are very unlikely. The small area of damage they might produce would probably not be recognizable along with the mess produced by F4 and F5 wind that would surround the F6 winds.

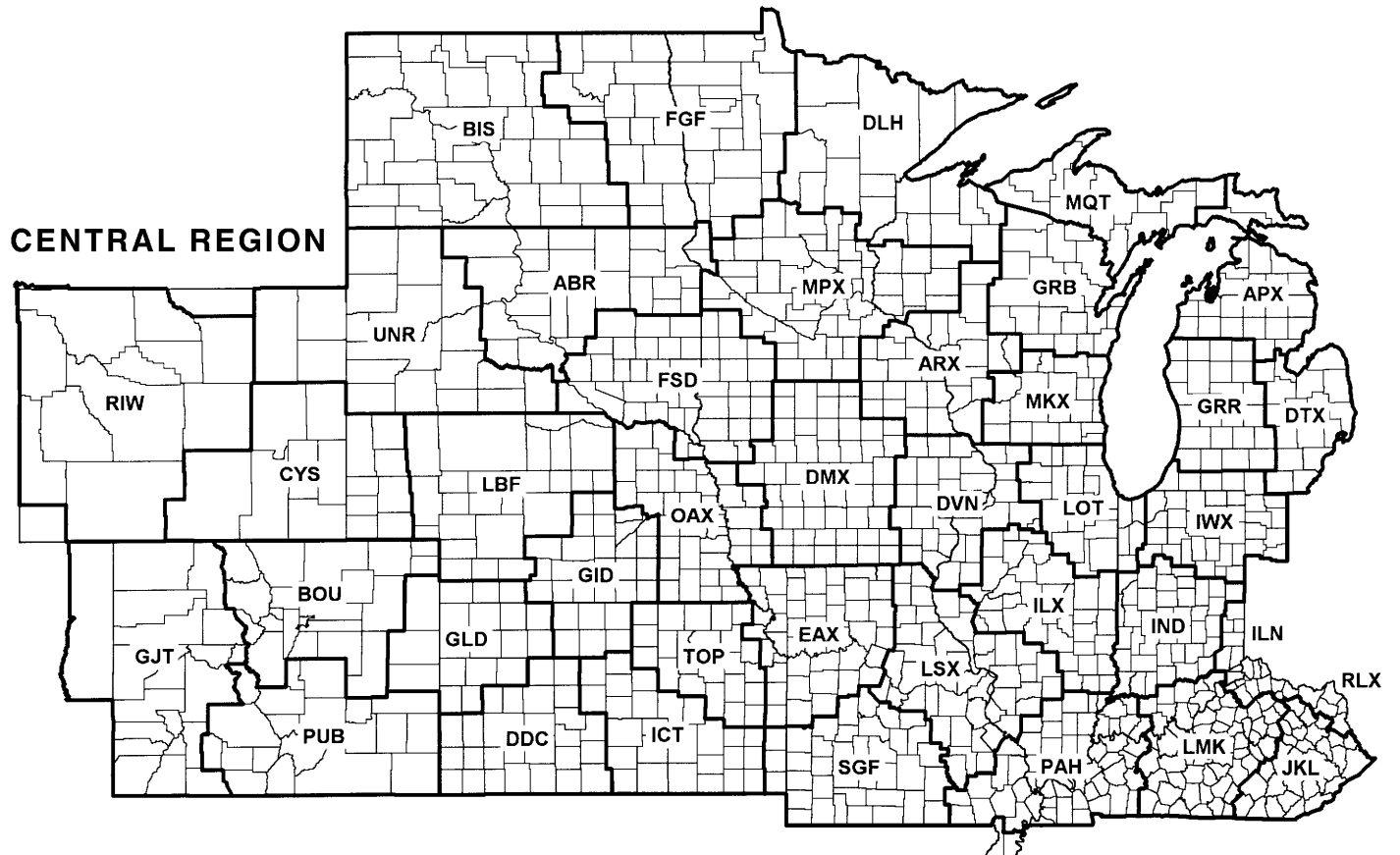
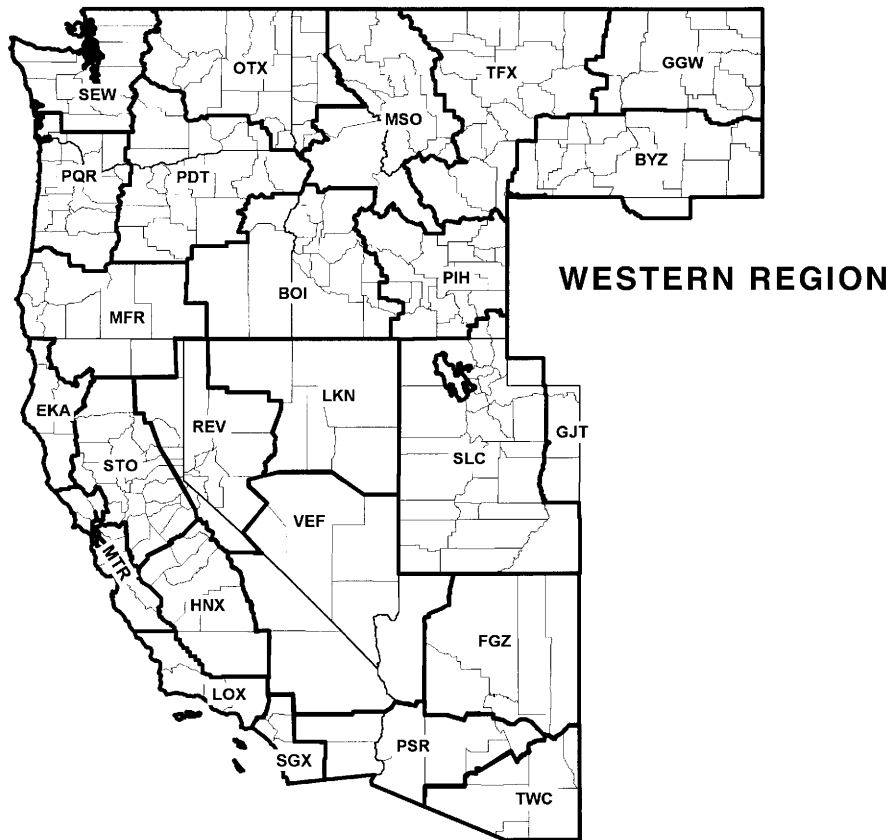


* From the Journal of Atmospheric Science, August 1981, p. 1517-1519

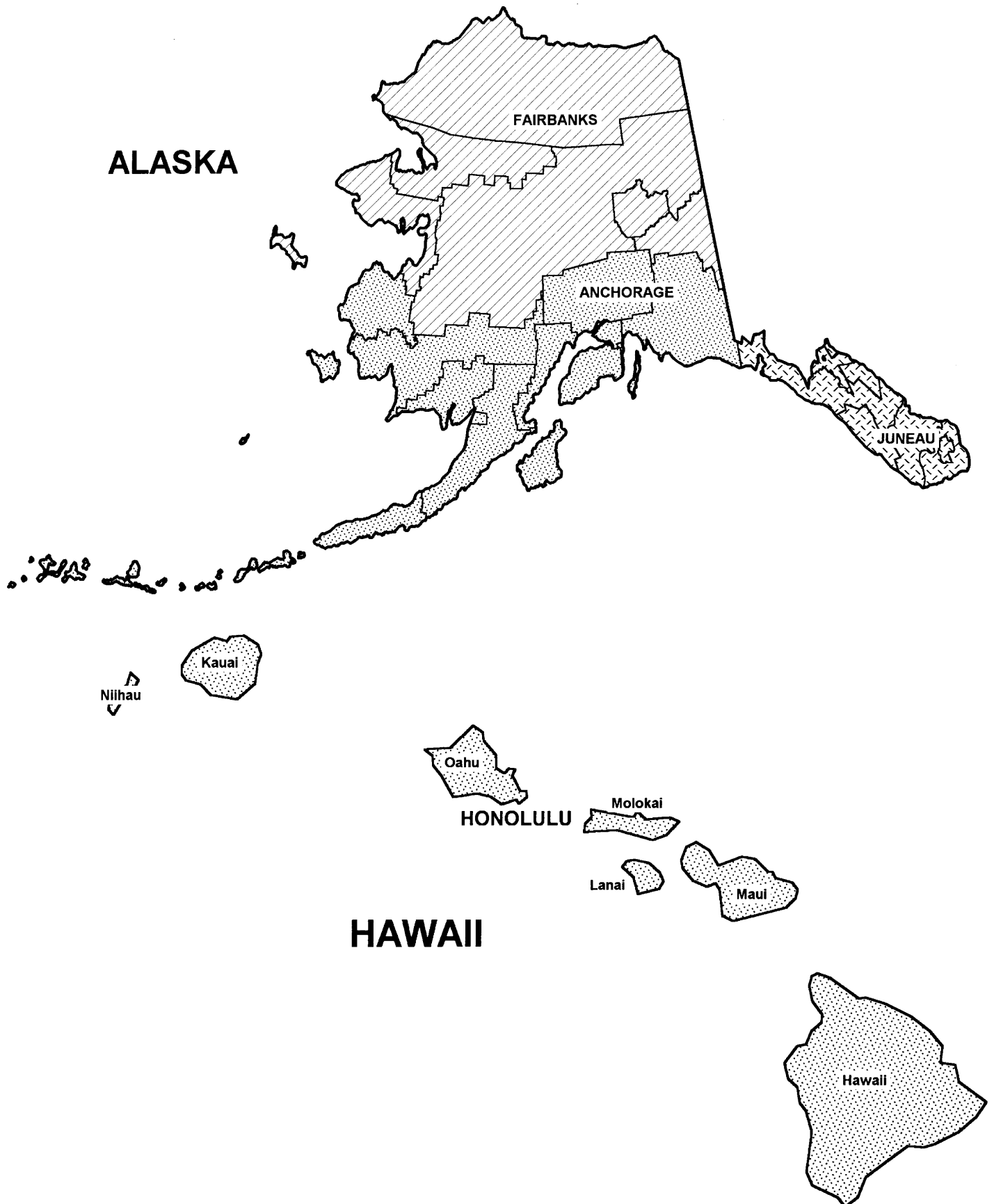
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